| Numer function Blanch Région Moler Constanter Constanter Quantify Constanter PD/Number Constanter PD/Number V Quantify Constanter PD/Number Multicenter Biological Action Multicenter Biological Action Tes do. DespiteMole 75 / 4P Multicenter Biological Action Multicenter Biological Action Multicenter Biological Action Ace classification (Sofe / Harnshop) Histandes Performance REVICE 400841 Multicenter Biological Action Ace classification (Sofe / Harnshop) Histandes Performance REVICE 400841 Multicenter Biological Action Ace classification (Sofe / Harnshop) Histandes (march) None level 18 10305 True Ace classification (Sofe / Harnshop) Edd Projection (Parkshop) True Ace classification (Sofe / Harnshop) Edd Number of phases True Ace classification (Sofe Class (Parkshop) Edd Number of phases True Ace classification (Sofe Class (Parkshop) Edd True Ace classification (Sofe Class (Parkshop) True Ace classification (Sofe Class (Parkshop) Edd Performance (Sofe Class (Parksho | Bharat Bijle | B Bharat Bijlee Data sheet for motors | | | | | | | |
|---|---|--|---|--|----------------------------|--|--|--|--|
| Type of note: Phase Induction Notor BBL Enging reference No. Application CUSTOMER TO FURNERSIL W.O. No. (S.AP.No.) Million Notation Notatio Notati Notation Notation Notation Notati Notation Notation No | Manufacturer | Bharat Bijlee Ltd. | | Customer | | | | | |
| Quantifie Contour PLO Number Contour PLO Number Log in 000 No. 55 AP No. 7 4P Unit-type ind 000 No. 55 AP No. MI220 DataBindtor duritis Appleable standards (inter other) MI220 DataBindtor duritis MI220 MI220 MI220 DataBindtor duritis MI220 MI220 MI220 DataBindtor duritis MI220 MI220 MI220 DataBindtor (INCS) (2000 F1200 F2) ZONE1 Northor of phases Intro- Garging TA Northor of phases Intro- Trippedic Standards (INCS) (2000 F1200 F2) EA.4 Combinet variation of minuting within the phase intro- MI230 Trippedic Standards DOL Starting compare (MI11) 240 MI240 Call Standards DOL Starting compare (MI11) 241 Log Standarg | Type of motor | 3 Phase Induction Motor | | BBL Enquiry reference No | | | | | |
| Application CCSTOMER TO PUR NUM W.O. No. 'SAP No. The true 2028/22 Frame wire 7.3 / 447 Hill Lype Inf. 2028/22 Frame wire M220 Hard wire M220 Area classification (Strf 2 Harandous) Harandous Parametric Strf 2 Harandous Professional Strf 2 Harandous Profesin Strf 2 Harandous | Quantity | | | Customer P.O.Number | | | | | |
| $\begin{array}{ l l l l l l l l l l l l $ | Application | CUSTOM | ER TO FURNISH | W.O. No. / SAP No. | | | | | |
| Bill prot Difference state Applicable standards (data) endated a (data) endated (data) (data) endata (data) endated (data) (data) endated (data) endat | Tag no. | | | Output kW / pole | 75 / 4P | | | | |
| Arradiant data Appleading characterize And classification (Sulf / Licer/bar) Iterations Performance: ISUE (2002 / Listenance ISS00) PE Monese: ISUE (2003 / Listenance ISS00 / Listenance ISS00) PE Monese: ISUE (2003 / Listenance ISS00 / ListenanceISS00 / Listenance ISS00 / Listenance ISS00 / Liste | BBL type tef. | | 2J28S423 | Frame size | MJ280 | | | | |
| Acac alcohication (Safe / Harachowa) Harachowa Poteradors (S1 / S1 / S / S1 / S / S1 / S / S1 / S / S | Installation deta | ils | | Applicable standards (latest edition) | | | | | |
| Interview Indoor Dimensions: 15: 121:15: 222:35:8223 Attack interview Variation: 15: 120:75 Variation: 15: 120:75 Area classification GAS (Zone 1,Zone 2) ZONE I Number of phases Three Area classification GAS (Zone 1,Zone 2) ZONE I Number of phases Three Area classification GAS (Zone 1,Zone 2) ZONE I Number of phases Three Area classification GAS (Zone 1,Zone 2) ZONE I Number of phases Three Tong. Loss T4 Prequency (Liz) and permissible variation 50 45% Argonical sulfactors for phases Three Combined variation (absolute sum) £10% Physical Reprint Three DOL Combined variation (absolute sum) £10% Electricit parameter Starting current (%LC) 650 Number of phases 700 Related (starting current (%LC) 650 Number of phases 700 700 Load Corp (spar) CCSTOMER TO DEL (NLS) Partobile TS curve Number of phases 710 700 Relation sing started values CUSTOMER TO DEL (NLS) Number of phases on DOL | Area classificatio | on (Safe / Hazardous) | Hazardous | Performance: IS/IEC 60034-1 Maintenance IS:900 | FLP Motors: IS/IEC 60079-1 | | | | |
| Altitude (macers) 1000 or jess Windams: IS 12075 Ideardness area defails Supply conditions and permissible variations (SQC and perply) Ace classification (SAS Cone 11/2nc 2.) ZONNE (I Number of phases Three Ga gauge IA, IB Volage (Volts) and permissible variation 415 110% Tomp class T4 Ferquence (IC) and permissible variation 50 ±5% Type of Explosina permissible variation (absolute sum) 110% 50 ±5% Starting performance DOL Starting current (Wolf C.) 650 Incarl cold starting DOL Starting current (Wolf C.) 50 ±5% Starting current (Wolf C.) G Particle (IC) 650 100 100 ±10% 240 Motor GP CRND CUSTOMER TO FLNSIN Starting reque (SFLT) 240 260 27.3 30 Inal conge-speed curve Parabolic TS curve Provided Locd GD2 and wor object (SLT) 27.3 30 Index core (FLASF PURNISTI ALL). ABOVE Default curve (Wolf C.) FNS 27.3 30 Index core (FLASF PURNISTI | Location: indoor/ | /outdoor/deck | Indoor | Dimensions: IS 1231/IS 2223/IS:8223 | | | | | |
| Note level: [5] 2005 Area clessification GAS (Zone 17.00e 2) ZON ET Number of places Three Area clessification GAS (Zone 17.00e 2) ZON ET Number of places Three Area clessification GAS (Zone 17.00e 2) ZON ET Number of places Three Area clessification GAS (Zone 17.00e 2) LA III Vortage (Vort) and permissible variation 35 1.3% Area clessification GAS (Zone 17.00e 2) LA d Constrained variation 50 1.3% Approxing autority for bazardow area DOL Constrained variation (devolue sum) 1100% 100% Relative figure DOL Customer (SPL7) 40 40 Relative figure DOL Starting current (SPL7) 40 40 Relative figure DOL Customer (SPL7) 40 40 40 Load Sele (Span) Customer (SPL7) 20 27.3 20 Load Sele (Span) Customer (SPL7) 20 27.3 27.3 Variating una strated voltage (sec) DLTALLS DLTALLS DLTALLS Number of Caco | Altitude (meters) | | 1000 or less | Vibrations: IS 12075 | | | | | |
| Integration and permissible variations (grd suppl) Supple conducts and permissible variation (grd suppl) Gas group IDA. IIB Volkage (Volts) and permissible variation 415 10% Type of Explosion protection (FLP-Type (YTYPE) T4 Frequencies 11% 10% Approving anthority for hezardons area IJC Call Mine application then (DAMS sites PLNO) Combined variation (chookee sum) +10% Starting performance IIC Call Mine application then (DAMS sites PLNO) 600 500 Dead quest (grm) CLSTOMER TO PLRNISH Starting corput (WFLT) 240 Metor GDV (kgrf) CLSTOMER TO PLRNISH Starting corput (WFLT) 240 Load GDV(kgrf) CLSTOMER TO PLRNISH Load GDV (kgrf) 261 Load GDV(kgrf) CLSTOMER TO PLRNISH Load GDV (kgrf) 2.7.3 Load GDV(kgrf) CLSTOMER TO PLRNISH Load GD2 (kgrf) 2.7.3 Load GDV(kgrf) CLSTOMER TO PLRNISH Load GD2 (kgrf) 2.7.3 Load GDV(kgrf) CLSTOMER TO PLRNISH Load GD2 (kgr f) 2.7.3 Starting time at raned voltage (see) III 2 Day and designation Continuous (S1) Load torque-speed curve PLEASE FURINSH A11. ABOVE DETAILS Containeous (S1) Roming Performance III2 Day and designation class a | | 7 . •7 | | Noise level: IS 12065 | • 7 • 7 > | | | | |
| Area data function GAS (2006 12/006.2) ZOO E1 Number of phones Interesting Grag group IIA, IIB Valuage (Volls) and permissible variation 415 ±10% Tenge tasks T4 Frequences (IIZ) and permissible variation 50 ±20% Pripe of hyphotom protection (PLP-Type Lx d Combined variation (chondus sum) ±10% Approving authority for hazardous area If Cooll Mine application then DGMS size PESO combined variation (chondus sum) ±10% Exercised gramousiers Electrical gramousiers Storting current (%FLC) 650 Load Seque types) CUSTOMER TO FURNISH Notage (%FLT) 240 Load GD*(kgn*) C Electrical gramousiers 15 / 30 Starting inte at rated voltage (see) PleASE FUNNISH Notage (Sec) 15 / 30 Starting inte at rated voltage (see) PleASE FUNNISH Notage of concervite starts (dow/odd) (toos) 168 Fundisona presistance (dags) 17 7 CODEFundison rates of the starts (dow/odd) (toos) 168 Starting inte at rated voltage (see) PleASE FUNNISH Notage fortage of sec on DO1. 168 Fundisona presistance (dags) 12 Dury and disignation South current (SVLA) (volta/Mape. Not applicable Fundi boad | Hazardous area | details | | Supply conditions and permissible variations (grid supply) | | | | | |
| Ords group IDX. IIB Voltage (VOIDs and permissible variation 415 F10% Type of Explosion protection (PLPType Ex d Combined variation (absolute sum) 410% Type of Explosion protection (PLPType Ex d Combined variation (absolute sum) 410% Approving outhority for hazardous area If Coal Mine application then DOHS starting performance Starting current (%FLC) 650 Starting performance OL Starting current (%FLC) 650 Load stord (prim) CUSTOMER TO TURNISH Starting current (%FLC) 650 Load GD/ (kgm ²) 6 Pall out turque (%FLT) 240 Moler GD/ (kgm ²) 6 Pall out turque (%FLT) 240 Load torque-speed curve Parabolic 'TS current (%FLC) 27.3 Starting turrent tarteed voltage (see) PLEASE PLENISH ALL ABOVE DETAULY EXCLOSED Factorex (track) 27.3 Running Performance IEC Daty and designation Continuous (S1) Hull nat speed (trym) 1488 Notor type (Squired Care's Sity mg) Squarred Care' Intellineary of the AL, OSP1/AL/SL 94.0 94.0 94.0 94.0 Intellineary of the AL, OSP1/AL/SL 94.0 94.0 94.0 94.0 Intellineary of the AL, OSP1/AL/SL 94.0 94.0 94.0 | Area classification GAS (Zone 1/Zone 2) | | ZONEI | Number of phases | Three | | | | |
| Learning Definition Find the production of PLPType 1.1 Program (Explosible Vinition) 50 1.2% Very of 10 Li d Combined variation (absolut sum) 210% Approving authority for hazardoos area If Coal Miae application then DKMS else PESO 0 210% Betricial promenters Starting current (%FLC) 660 Load speed (ppm) CUSTOMER TO PLENISH Starting current (%FLC) 660 Load speed (ppm) CUSTOMER TO PLENISH Locked reare visits (betrokel) (csc) 15 / 30 Load to 2(pgm²) CUSTOMER TO PLENISH Locked reare visits (betrokel) (csc) 15 / 30 Load to 2(pgm²) CUSTOMER TO PLENISH Locked reare visits (betrokel) (csc) 15 / 30 Load to 2(pgm²) CUSTOMER TO PLENISH Locked reare visits (betrokel) (csc) 15 / 30 Load to 2(pgm²) Particle 1'S curre powided Load (cjd2 = Motor GD2 2/3 2/3 Starting inter at ratel voltage (sec) PLEAE FUENISH LL ABOVE DEFapitales stats per hour FL - - - Efficiency visits at PLA (TI LABAVE PLEAE FUENISH LL ABOVE DEFapitales stats per hour FL - - - Holl add torege (PLT) kein 148 FAO OOLED Insulation class / utilisation class in DOL <td>Gas group</td> <td></td> <td></td> <td>Voltage (Volts) and permisible variation</td> <td>$415 \pm 10\%$</td> | Gas group | | | Voltage (Volts) and permisible variation | $415 \pm 10\%$ | | | | |
| Page of Sphorship protection (PLP stype Fx d Combined variation (absolue sum) ±10% Approving authority for bazandous area If Coal Mine application den DGMK etce PLKO | Temp.class | | 14 | Frequency (Hz) and permissible variation | 50 ±5% | | | | |
| Approving authority for hazardous areal If Coal Mice explication then DGMS else PESO Image of the problem of the p | 'e'/Type 'n') | on protection (FLP/Type | Ex d | Combined variation (absolute sum) | ±10% | | | | |
| Electricit parameters Method of suring DOL Starting expression (KELT) 650 Load speed (fpm) CUSTOMER TO FURNISH Starting corport (KELT) 240 Motor GD ² (kgn ²) CUSTOMER TO FURNISH Excled roor withstand time (hot/cold) (see) 15 / 30 Load torque-speed curve Parabolic TS curve Number of consecutive starts (hot/cold) (mos.) 2/3 Runing Erge/monece DETAILS provided Load GD2 - Motor GD2 2/3 Efficiency class IE2 Dury and designation Continuous (S1) Amborn temp/remute FEFC (TOTAILLY ENCLOSED FAN COOLED) Inside on class' cultistation class on DOL F/B Full load current (FLC) arops. 129 Rotor voltage/near current (RVRA) (Volts/Amps) Not applicable Full load current (FLC) arops. 129 Rotor voltage/near current (RVRA) (Volts/Amps) Not applicable Full load current (FLC) arops. 129 Rotor voltage/near current (RVRA) (Volts/Amps) Not applicable Full load current (FLC) arops. 129 Rotor voltage/near current (RVRA) (Volts/Amps) Not applicable Full load current (FLC) arops. 129 Rotor voltag | Approving authority for hazardous area | | If Coal Mine application then DGMS else PESO | | | | | | |
| Starting performance Starting curren (%FLC) 650 Load speed (rpm) CUSTOMER TO FURNISH Starting corgue (%FLT) 240 Mator GD* (kgn*) 6 Pull out lorque (%FLT) 240 Load GD* (kgn*) 6 Pull out lorque (%FLT) 240 Load GD* (kgn*) CUSTOMER TO FURNISH Locked rotor withscand time (hot/cold) (soc.) 2 / 3 Load torque-speed curve Parabolic TS curve Number of consecutive starts (hot/cold) (soc.) 2 / 3 Starting time at rated voltage (soc.) PLEASE FURNISH ALL ABOVE Number of consecutive starts (hot/cold) (soc.) 2 / 3 Starting time at rated voltage (soc.) PLEASE FURNISH ALL ABOVE Number of consecutive starts (hot/cold) (soc.) 2 / 3 Starting current (FLC) amps. 1E2 Datg and designation Continuous (SI) Full load speed (rpm) 1485 Rotor type (Squiter) (Cage Sign ing.) Squiter) Full load speed (rpm) 1445 Rotor type (Squiter) 0.86 0.83 0.76 Full load speed (rpm) 1485 Rotor type (Squiter) 0.86 0.83 0.76 Full load speed (rpm) | Electrical param | neters | · | | | | | | |
| Method of sturing DDL Starting correct (%FLC) 6657 Load speed (ppn) CUSTOMER TO FURNISH Scarting correct (%FLT) 240 Load GPC (kgn ²) CUSTOMER TO FURNISH Locked rotor winks and time (het/odd) (see) 15 / 30 Load torque-speed curve Panbolic TS curve Purpose 2/3 2/3 Starting time at ratel volkage (see) PLEASE FURNISH ALL ABOVE Purpose 2/3 2/3 Runing Toe/formance TE2 Day and designation Continuous (S1) - Runing time at ratel volkage (see) 1E2 Day and designation Continuous (S1) - Runing toe/formance TE2 Day and designation Continuous (S1) - <td< td=""><td>Starting perform</td><td>nance</td><td></td><td></td><td></td></td<> | Starting perform | nance | | | | | | | |
| Load speed (rpn) CUSTOMER TO FURNISH Starting corpus (%H-L1) 260 Motor CD ² (kgm ²) CUSTOMER TO FURNISH Locked notor withstand time (hol/cold) (see) 15 / 30 Load (Dr(kgm ²) Parabolic TS curve Number of consecutive starts (hol/cold) (noc.) provided Load GD2 = Motor GD2 2 / 3 Surning time at rated volnge (see) PLEASE FURNISH ALL ABOVE DETAILS Number of consecutive starts (hol/cold) (noc.) provided Load GD2 = Motor GD2 2 / 3 Running Performance FE Daty and designation Continuous (S1) Runkint temp.temp.trains by resistance (deg.C) 45 7 75 CDFE/Equivalent starts per hour.FI - - Fall load speed (rpm) 1485 Rotor volgazion curront (RV;RA) (Volls/Ampo) Not applicable Fall load speed (rpm) 4485 Rotor volgazion curront (RV;RA) (Volls/Ampo) Not applicable Full load speed (rpm) 4485 Rotor volgazion curront (RV;RA) (Volls/Ampo) Not applicable Full load speed (rpm) 4485 Rotor volgazion curront (RV;RA) (Volls/Ampo) Not applicable Full load speed (rpm) 53 Statale chorat at 70.7571.057 056 26 | Method of starting | | DOL | Starting current (%FLC) | 650 | | | | |
| Motor Of Agon ²) 6 Pull out torque (%E1.7) 2.260 Load GD ² (kgm ²) CUSTOMER TO FURNISH All AGD is Surve Number of consecutive stars (hol/cohl) (nes) 1 3.0 Load torque -speed curve PLEASE FURNISH ALL ABOX DETAILS Number of consecutive stars (hol/cohl) (nes) 2 / 3 Raming Portformmere PLEASE FURNISH ALL ABOX Details Continuous (S1) Ambient etmo_interp, interprise by resistance (deg. C) 172 Daty and designation Continuous (S1) Antient etmo_interprise by resistance (deg. C) 172 Daty and designation class on DOL FrB Fill load current (FLC) anys. 129 Rotar type (Squirel Cage/Slip ring) Naturel Cage Full load speed (rpm) 1485 Rotar type (Squirel Cage/Slip ring) Naturel Cage Full load current (FLC) anys. 129 Rotar type (Squirel Cage/Slip ring) Naturel Cage Full load current (FLC) anys. 129 Rotar type (Squirel Cage/Slip ring) Naturel Cage Full load current (FLC) anys. 129 Rotar type (Squirel Cage/Slip ring) Naturel Cage Full load current (FLC) anys. 129 Rotar type (Squirel Cage/Slip ring) | Load speed (rpm | | CUSTOMER TO FURNISH | Starting torque (%FLT) | 240 | | | | |
| Load GD ² (kgm ²) CUSTOMIR TO FURNISII Locked rotor withstand time (hote/old) (sec) 15 / 30 Load torque-speed curve Parabolic TS curve PLISASF [TURNISII ALL ABOVE DETAILS Number of consecutive starts (buč/old) (ns.) provided Load GD2 = Moor GD2 2 / 3 Starting time at rated voltage (sec) PLISASF [TURNISII ALL ABOVE DETAILS Number of consecutive starts (buč/old) (ns.) per vided Load GD2 = Moor GD2 2 / 3 Ambient temp/temp/temp/temp/temp/temp/temp/temp/ | Motor GD^2 (kgm | n^2) | 6 | Pull out torque (%FLT) | 260 | | | | |
| Load torque-speed curve Purabolic TS curve Number of const-cutive starts (Int(Cold) (nos.) provided Load GD2 Motor GD2 2 / 3 Starting time at rated voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS provided Load GD2 Motor GD2 2 / 3 Running Ferformance El2 Duty and designation Continuous (S1) Ambient temp-henprise by resistance (deg: Cl 45 / 75 CDFFEquivalent starts per hour/FI | Load $GD^2(kgm^2)$ | | CUSTOMER TO FURNISH | Locked rotor withstand time (hot/cold) (sec) | 15 / 30 | | | | |
| Process Econ PLEASE FURNISH ALL ABOVE DETAILS Process Econ PLEASE Starting time at rated voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS Dury and designation Continuous Starting time at rated voltage (sec) Ambient temp.Atemp.rise by resistance (deg.C) 45 7 CDIPBQuivalent starts per hou/T1 - Fall bod current (FLC) amps. 129 Rotor type (Squirrel Cage Ship ring) Squirrel Cage Full bod current (FLC) amps. 129 Rotor type (Squirrel Cage Ship ring) Not applicable Full bod current (FLC) amps. 129 Rotor voltage/rotor current (RV/RA) (Volts/Amps) Not applicable Full bod torque (FLT) kg-m 49.2 Statoriotor time constant (min) 108/146 Efficiency in % at L20.7SH1_0.5H1. 94.0 93.0 Power factor at 17.07SH2.0.5H2. 0.86 0.76 Mounting B3 Mounting dimensions Refer GA drawing Statoriotor time constant (min) 108/146 Degree of protection IP 55 Statoriotor hidrectional rotation Yes Acid Alkali Proof Cooled/TESC) 720 Paint stade 632 as per IS 5 Earthing provision (two terminals | Load torque-speed curve | | Parabolic TS curve | Number of consecutive starts (hot/cold) (nos.) | 2/3 | | | | |
| Instruction Def All S Efficiency class IF2 Duty and designation Continuous (S1) Ambient temp.rise by resistance (deg.C) 45 7 75 CDF/Equivalent starts per hour/PI | Starting time at ra | ated voltage (sec) | PLEASE FURNISH ALL ABOVE | provided Load GD2 – Wotor GD2 | | | | | |
| Mining Polymetric Data and esignation Continuous (S1) Ambient temp/temp.rise by resistance (deg.C) 45 / 75 CDP/Equivalent starts per hour/PI - Enclosure TEFC (TOTALLY ENCLOSED (FAN COOLED) Insulation class on DOL F/B Full load second (pm) 1485 Rotor type (Squirrel Cage/Slip ring.) Squirrel Cage/Slip ring.) Not applicable Full load second (pm) 1485 Rotor type (Squirrel Cage/Slip ring.) Not applicable Full load second (pm) 1485 Rotor type (Squirrel Cage/Slip ring.) Not applicable Full load second (pm) 1485 Rotor type (Squirrel Cage/Slip ring.) Not applicable Full load second (pm) 1485 Not applicable Not applicable Full load second (pm) 1485 Not applicable Not applicable Full load second (pm) 1485 Not applicable Not applicable Full load second (pm) Bas Mounting dimensions Refer GA drawing Digree of protection IP 55 Suitable for bidirectional rotation Yes Method of cooling (TFEC/forced Cortic Cl 4111) | Dunning Darfor | | DETAILS | | | | | | |
| Linkty Cass Linkty Cass Control of State States Control of Control (States Control of Sta | Efficiency class | | IE2 | Duty and designation | Continuous (S1) | | | | |
| Kontokan Henje konjuste OF (ESISTANCE ORG, C) 50 COTAQUITATION STATES (COTACLAY ENCLOSED FAN COOLED) FOR COOLED) Insulation class on DOL F/B Full load current (FLC) amps. 129 Rotor voltage/rotor current (RV/RA) (Volts/Amps) Not applicable Full load torque (FLT) kg-m 49.2 Stator/rotor time constant (min) 108/146 Efficiency (in § at IL-0.75FL/0.5FL 94.0 93.0 Power factor at IE-0.75FL/0.5FL 0.86 0.83 0.76 Mounting B3 Mounting dimensions Refer GA drawing Statextention 108/146 Degree of protection IP 55 Suitable for bidirection of rotation viewed from DE Clockwise Degree of protection IP 55 Suitable for bidirectional rotation Yes Method of cooling (TEFC/forced TEFC (IC 411) Paint type Acid Alkali Proof coold/TESC) 720 Paint shade 632 as per IS 5 Barnings Earthing provision (two terminals on stator body) Yes Bearings Terminal box Saper GA drawing Direct DE/NDE 6317 C3 6316 C3 Earthing provision (two terminals on stator body) Yes Bearings (roller/ball/angular contact) Ball/Ball Cable size and type(Aluminium) 2R X 3C X 120 SQ MM Bearing size DE/NDE 6317 C3 <td colspan="2">Ambient temp /temp rise by registence (deg C)</td> <td></td> <td>CDE/Equivalent starts per bour/EI</td> <td></td> | Ambient temp /temp rise by registence (deg C) | | | CDE/Equivalent starts per bour/EI | | | | | |
| Fint COULD// Print COULD// Rotor type (Squirrel Cage/ Slip ring) Squirrel Cage Full load speed (rpm) 1485 Rotor voltage/rotor current (RV/RA) (Volts/Amps) Not applicable Full load torque (RLT) kg-m 49.2 Stator/rotor time constant (min) 108/146 Full load torque (RLT) kg-m 49.0 93.0 Power factor at FU.0.7SFL/0.5FL 0.88 0.76 Mechanical parameters For exclusion of constant (min) 108/146 0.88 0.76 Mounting B3 Mounting dimensions Refer GA drawing State stream Staft extention Single cylindrical Direction of rotation viewed from DE Clockwise Degree of protection IP 55 Suitable for bidirectional rotation Yes Method of cooling (TEPC/forced TEPC (IC 411) Paint type Acid Alkali Proof Net weight of motor (kgs.) 720 Paint shade 632 as per IS 5 Bearings Earthing provision (two terminals on stator body) Yes Coupling (Direct/flexible/Belt & Direct Terminal box location when viewed from DE As per GA drawing Dimensions of pulley (OD x width) mm - Direction of cable entry As per GA drawing | Enclosure | | TEFC (TOTALLY ENCLOSED EAN COOLED) | Insulation class / utilisation class on DOL | F/B | | | | |
| InitiationInitiationInitiationInitiationFull load certer (Tp) kg-m4485Rotor voltage/rotor current (RVRA) (Volts/Amps)Not applicableFull load torque (FLT) kg-m44.093.0Power factor at FL/0.75FL/0.5FL0.860.830.76Mechanical parameters94.093.0Power factor at FL/0.75FL/0.5FL0.860.830.76Mechanical parameters93.0Power factor at FL/0.75FL/0.5FL0.860.830.76MountingB3Mounting dimensionsRefer GA drawingShaft extentionSingle cylindricalDirection of rotation viewed from DEClockwiseDegree of protectionIP 55Suitable for bidirectional rotationYesMethod of cooling (TEFC/forced cooled/TESC)720Paint shade632 as per IS 5Net weight of motor (kgs.)720Paint shade632 as per IS 5Vet weight of motor (kgs.)720Paint shade632 as per GA drawingDirection of cable entryAs per GA drawingPaint shadeCable size and type (Adaming)Direction of cable entryAs per GA drawingSKF LGMT3- GREASECable size and type (Aluminium)2R X 3C X 120 SQ MMBearings ize DE/NDE6317 C3/ 6316 C3Earthing provision (note terminals in TB)YesType of lubricationSKF LGMT3- GREASENo of phases/Winding connection/number of terminals3 / DELTA / 6TDs - 1 number per bearing (w/o controller)Arrow plate for direction of rotation3 / DELTA / 6Space heaters - single phase 50z, 230 | Full load current | $(\mathbf{FI} \mathbf{C})$ amps | 129 | Rotor type (Sauirrel Cage/ Slip ring) | Squirrel Cage | | | | |
| Full back torque (FLT) kg-m 49.2 Stator/rotor time constant (With) (Varia Mp) 108/146 Efficiency in % at FL0.75FL/0.5FL 94.0 94.0 93.0 Power factor at FL/0.75FL/0.5FL 0.86 0.83 0.76 Mechanical parameters 94.0 93.0 Power factor at FL/0.75FL/0.5FL 0.86 0.83 0.76 Mounting B3 Mounting dimensions Refer GA drawing Shaft extention Single cylindrical Direction of rotation viewed from DE Clockwise Degree of protection IP 55 Suitable for bidirectional rotation Yes Method of cooling (TEFC/forced cooling (TEFC/forced TEFC (IC 411) Paint type Acid Alkali Proof Net weight of motor (kgs.) 720 Paint theake 632 as per IS 5 Bearings Earthing provision (two terminals on stator body) Yes Coupling (Direct/flexible/Belt & Direct Terminal box location when viewed from DE As per GA drawing Dimensions of pulley (OD x width) mm - Direction of cable entry As per GA drawing Bearing size DE/NDE 6317 C3 / 6316 C3 Earthing provision (one terminal in TB) Yes Type of lubrication | Full load speed (1 | (TLC) amps. | 1485 | Rotor voltage/rotor current (RV/RA) (Volts/Amps) | Not applicable | | | | |
| Efficiency in % at FLØ.75FL/0.5FL94.094.093.0Power factor at FLØ.75FL/0.5FL0.860.830.76Mechanical parametersNountingB3Mounting dimensionsRefer GA drawingShaft extentionSingle cylindricalDirection of rotation viewed from DEClockwiseDegree of protectionIP 55Suitable for bidirectional rotationYesMethod of cooling (TEFC/forced cooled/TESC)TEFC (IC 411)Paint typeAcid Alkali ProofNet weight of motor (kgs.)720Paint shade632 as per IS 5BearingsTerrninal boxCoockwiseCoupling (Direct/flexible/Belt & Pulley/Gearbox)DirectTerrninal boxDimensions of pulley (OD x width) mm-Direction of cable entryAs per GA drawingBearings ize DE/NDE6317 C36316 C3Earthing provision (one terminal in TB)YesType of hubricationSKF LGMT3- GREASENo of phases/Winding connection/number of as per IS / GalaceYesRotos Strips of hubricationSKF LGMT3- GREASEDouble compression glands (main cable)3 / DELTA / 6AccessoriesDouble compression glands (main cable)Double compression glands (pace heater/thermisters/RTDS)Double compression glands (pace heater/thermisters/RTDS)Direct hubricationArrow plate for direction of rotation3 / DELTA / 6Bearings ize DE/NDEG317 C3Af 6316 C3Earthing provision (one terminal in TB)YesSke LGMT3- GREASEDouble compression glands (main cable)Double compression glands (main cable) | Full load torque (| (FLT) kg-m | 49.2 | Stator/rotor time constant (min) | 108/146 | | | | |
| Mechanical parameters International of the state of the | Efficiency in % a | t FL/0.75FL/0.5FL | 94.0 94.0 93.0 | Power factor at FL/0.75FL/0.5FL | 0.86 0.83 0.76 | | | | |
| Mounting B3 Mounting dimensions Refer GA drawing Shaft extention Single cylindrical Direction of rotation viewed from DE Clockwise Degree of protection IP 55 Suitable for bidirectional rotation Yes Method of cooling (TEFC/forced cooled/TESC) TEFC (IC 411) Paint type Acid Alkali Proof Net weight of motor (kgs.) 720 Paint shade 632 as per IS 5 Barings Terminal box 632 as per IS 5 Coupling (Direct/flexible/Belt & Pullcy/Gearbox) Direct Terminal box location when viewed from DE As per GA drawing Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 2R X 3C X 120 SQ MM Bearings ize DE/NDE 6317 C3 / 6316 C3 Earthing provision (one terminal in TB) Yes Type of lubrication SKF LGMT3- GREASE No of phases/Winding connection/number of a / DELTA / 6 3 / DELTA / 6 RTDs - 3 numbers simplex (w/o controller) Arrow plate for direction of rotation 3 / DELTA / 6 Space heaters - single phase 502, 230V Double compression glands (main cable) Double compression glands (Space heater/thermisters/RTDs) Thermisters | Mechanical para | ameters | | | | | | | |
| Shaft extention Single cylindrical Direction of rotation viewed from DE Clockwise Degree of protection IP 55 Suitable for bidirectional rotation Yes Method of cooling (TEFC/forced cooled/TESC) TEFC (IC 411) Paint type Acid Alkali Proof Net weight of motor (kgs.) 720 Paint shade 632 as per IS 5 Bearings Earthing provision (two terminals on stator body) Yes Bearings Terminal box Terminal box Coupling (Direct/flexible/Belt & Pulley/Gaerbox) Direct Terminal box location when viewed from DE As per GA drawing Pulley/Gaerbox) Ball /Ball Cable size and type(Aluminium) 2R X 3C X 120 SQ MM Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 2R X 3C X 120 SQ MM Bearing size DE/NDE 6317 C3 / 6316 C3 Earthing provision (one terminal in TB) Yes Type of lubrication SKF LGMT3- GREASE No of phases/Winding connection/number of terminals 3 / DELTA / 6 BTDs - 1 number per bearing (w/o controller) Double compression glands (main cable) Double compression glands (Space heater / hemisters/RTDs) Earthing rovoltage/torque) | Mounting | | B3 | Mounting dimensions | Refer GA drawing | | | | |
| Degree of protectionIP 55Suitable for bidirectional rotationYesMethod of cooling (TEFC/forced cooled/TESC)TEFC (IC 411)Paint typeAcid Alkali ProofNet weight of motor (kgs.)720Paint shade632 as per IS 5BearingsEarthing provision (two terminals on stator body)YesBearingsTerminal box720Coupling (Direct/flexible/Belt & Pulley/Gearbox)DirectTerminal box location when viewed from DEAs per GA drawingDimenssions of pulley (OD x width) mm-Direction of cable entryAs per GA drawingBearing size DE/NDE6317 C36316 C3Earthing provision (one terminal in TB)YesType of lubricationSKF LGMT3- GREASENo of phases/Winding connection/number of terminals3 / DELTA / 6AccessoriesArrow plate for direction of rotation3 / DELTA / 6BTDs - 1 number per bearing (w/o controller)Double compression glands (main cable)Double compression glands (main cable)Space heaters - single phase 50z, 230VDouble compression glands (Cspace heater/thermisters/RTDs)Paint (Type/voltage/torque)Additional T-Box of AccessoriesAdditional T-Box of AccessoriesAdditional T-Box for AccessoriesAdditional T-Box of Accessories | Shaft extention | | Single cylindrical | Direction of rotation viewed from DE | Clockwise | | | | |
| Method of cooling (TEFC/forced colde/TESC) TEFC (IC 411) Paint type Acid Alkali Proof Net weight of motor (kgs.) 720 Paint shade 632 as per IS 5 Earting provision (two terminals on stator body) Yes Bearings Earting provision (two terminals on stator body) Yes Coupling (Direct/flexible/Belt & Pulley/Gearbox) Direct Terminal box location when viewed from DE As per GA drawing Dimenssions of pulley (OD x width) mm - Direction of cable entry As per GA drawing Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 2R X 3C X 120 SQ MM Bearing size DE/NDE 6317 C3 / 6316 C3 Earthing provision (one terminal in TB) Yes Type of lubrication SKF LGMT3- GR-ASE No of phases/Winding connection/number of terminals 3 / DELTA / 6 BTDs - 1 number per bearing (w/o controller) Arrow plate for direction of rotation Image: Call Compression glands (main cable) Image: Call Compression glands (Space heaters - single phase 50z, 230V Double compression glands (Space heater/themisters/RTDS) Image: Call Compression glands (Space heat | Degree of protec | tion | IP 55 | Suitable for bidirectional rotation | Yes | | | | |
| Net weight of motor (kgs.) 720 Paint shade 632 as per IS 5 Bearings Earthing provision (two terminals on stator body) Yes Bearings Terminal box Coupling (Direct/flexible/Belt & Direct Terminal box As per GA drawing Dimenssions of pulley (OD x width) mm - Direction of cable entry As per GA drawing Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 2R X 3C X 120 SQ MM Bearing size DE/NDE 6317 C3 / 6316 C3 Earthing provision (one terminal in TB) Yes Type of lubrication SKF LGMT3- GREASE No of phases/Winding connection/number of terminals 3 / DELTA / 6 Accessories Earthing provision glands (main cable) Double compression glands (main cable) Double compression glands (Space heaters - single phase 50z, 230V Double compression glands (Space heater/thermisters/RTDs) Brake (Type/voltage/torque) Additional T-Box for Accessories Additional nameplate | Method of cooling (TEFC/forced cooled/TESC) | | TEFC (IC 411) | Paint type | Acid Alkali Proof | | | | |
| Bearings Terminal box Coupling (Direct/flexible/Belt & Direct Terminal box Pulley/Gearbox) Direct Terminal box location when viewed from DE As per GA drawing Dimenssions of pulley (OD x width) mm - Direction of cable entry As per GA drawing Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 2R X 3C X 120 SQ MM Bearing size DE/NDE 6317 C3 / 6316 C3 Earthing provision (one terminal in TB) Yes Type of lubrication SKF LGMT3- GREASE No of phases/Winding connection/number of terminals 3 / DELTA / 6 Accessories RTDs - 3 numbers simplex (w/o controller) Arrow plate for direction of rotation 3 / DELTA / 6 Space heaters - single phase 50z, 230V Double compression glands (main cable) Double compression glands (Space heater/hermisters/RTDs) Earthermisters/RTDs) Thermisters - PTC , 1 number per phase Brake (Type/voltage/torque) Additional nameplate Brake (Type/voltage/torque) | Net weight of motor (kgs.) | | 720 | Paint shade | 632 as per IS 5 | | | | |
| Bearings Terminal box Coupling (Direct/flexible/Belt & Direct Terminal box location when viewed from DE As per GA drawing Pulley/Gearbox) Direct Terminal box location when viewed from DE As per GA drawing Dimenssions of pulley (OD x width) mm - Direction of cable entry As per GA drawing Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 2R X 3C X 120 SQ MM Bearing size DE/NDE 6317 C3 6316 C3 Earthing provision (one terminal in TB) Yes Type of lubrication SKF LGMT3- GREASE No of phases/Winding connection/number of terminals 3 / DELTA / 6 Accessories RTDs - 3 numbers simplex (w/o controller) Arrow plate for direction of rotation 3 / DELTA / 6 Space heaters - single phase 50z, 230V Double compression glands (main cable) Double compression glands (Space heater/thermisters/RTDs) Heater/thermisters/RTDs) Thermisters - PTC , 1 number per phase Brake (Type/voltage/torque) Additional nameplate Additional nameplate | | | | Earthing provision (two terminals on stator body) | Yes | | | | |
| Coupling (Direct/flexible/Belt & Pulley/Gearbox) Direct Terminal box location when viewed from DE As per GA drawing Dimenssions of pulley (OD x width) mm - Direction of cable entry As per GA drawing Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 2R X 3C X 120 SQ MM Bearing size DE/NDE 6317 C3 / 6316 C3 Earthing provision (one terminal in TB) Yes Type of lubrication SKF LGMT3- GREASE No of phases/Winding connection/number of terminals 3 / DELTA / 6 RTDs - 3 numbers simplex (w/o controller) Arrow plate for direction of rotation 3 / DELTA / 6 BTDs - 1 number per bearing (w/o controller) Double compression glands (main cable) Double compression glands (Space heaters - single phase 50z, 230V Double compression glands (Space heater/thermisters/RTDs) Brake (Type/voltage/torque) Earthing tropy of the attribute of the a | Bearings | | | Terminal box | | | | | |
| Dimensions of pulley (OD x width) mm - Direction of cable entry As per GA drawing Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 2R X 3C X 120 SQ MM Bearing size DE/NDE 6317 C3 / 6316 C3 Earthing provision (one terminal in TB) Yes Type of lubrication SKF LGMT3- GREASE No of phases/Winding connection/number of terminals 3 / DELTA / 6 Accessories RTDs - 3 numbers simplex (w/o controller) Arrow plate for direction of rotation Secomption of terminals BTDs - 1 number per bearing (w/o controller) Double compression glands (main cable) Secomption of terminates/RTDs) Secomption of terminates/RTDs Thermisters - PTC , 1 number per phase Brake (Type/voltage/torque) Image of the termisters/RTDs Image of terminates/RTDs Additional nameplate Image of the termisters/RTDs Image of termisters/RTDs Image of termisters/RTDs | Coupling (Direct Pulley/Gearbox) | /flexible/Belt & | Direct | Terminal box location when viewed from DE | As per GA drawing | | | | |
| Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 2R X 3C X 120 SQ MM Bearing size DE/NDE 6317 C3 6316 C3 Earthing provision (one terminal in TB) Yes Type of lubrication SKF LGMT3- GREASE No of phases/Winding connection/number of terminals 3 / DELTA / 6 Accessories RTDs - 3 numbers simplex (w/o controller) Arrow plate for direction of rotation 3 BTDs - 1 number per bearing (w/o controller) Double compression glands (main cable) 0 Space heaters - single phase 50z, 230V Double compression glands (Space heater/thermisters/RTDs) Double compression glands (Space heater/thermisters/RTDs) Thermisters - PTC , 1 number per phase Brake (Type/voltage/torque) 4 Additional nameplate Image: Control of the control of | Dimensions of pulley (OD x width) mm | | _ | Direction of cable entry | As per GA drawing | | | | |
| Bearing size DE/NDE6317 C36316 C3Earthing provision (one terminal in TB)YesType of lubricationSKF LGMT3- GREASENo of phases/Winding connection/number of terminals3 / DELTA / 6AccessoriesArrow plate for direction of rotation3 / DELTA / 6BTDs - 3 numbers simplex (w/o controller)Double compression glands (main cable)BTDs - 1 number per bearing (w/o controller)Double compression glands (main cable)Space heaters - single phase 50z, 230VDouble compression glands (Space heater/thermisters/RTDs)Thermisters - PTC , 1 number per phaseBrake (Type/voltage/torque)Additional T-Box for AccessoriesBrake (Type/voltage/torque) | Bearings (roller/ball/angular contact) | | Ball /Ball | Cable size and type(Aluminium) | 2R X 3C X 120 SQ MM | | | | |
| Type of lubricationSKF LGMT3- GREASENo of phases/Winding connection/number of terminals3 / DELTA / 6AccessoriesAccessoriesRTDs - 3 numbers simplex (w/o controller)Arrow plate for direction of rotationBTDs - 1 number per bearing (w/o controller)Double compression glands (main cable)Space heaters - single phase 50z, 230VDouble compression glands (Space heater/thermisters/RTDs)Thermisters - PTC , 1 number per phaseBrake (Type/voltage/torque)Additional T-Box for AccessoriesAdditional nameplate | Bearing size DE/ | NDE | 6317 C3 / 6316 C3 | Earthing provision (one terminal in TB) | Yes | | | | |
| Accessories RTDs - 3 numbers simplex (w/o controller) Arrow plate for direction of rotation BTDs - 1 number per bearing (w/o controller) Double compression glands (main cable) Space heaters - single phase 50z, 230V Double compression glands (Space heater/thermisters/RTDs) Thermisters - PTC , 1 number per phase Brake (Type/voltage/torque) Additional T-Box for Accessories Endet Additional nameplate Image: Comparison of the state of | Type of lubrication | | SKF LGMT3- GREASE | No of phases/Winding connection/number of terminals | 3 / DELTA / 6 | | | | |
| RTDs - 3 numbers simplex (w/o controller)Arrow plate for direction of rotationBTDs - 1 number per bearing (w/o controller)Double compression glands (main cable)Space heaters - single phase 50z, 230VDouble compression glands (Space heater/thermisters/RTDs)Thermisters - PTC , 1 number per phaseBrake (Type/voltage/torque)Additional T-Box for AccessoriesImage: Comparison of the state of th | Accessories | | | | | | | | |
| BTDs - 1 number per bearing (w/o controller)Double compression glands (main cable)Space heaters - single phase 50z, 230VDouble compression glands (Space heater/thermisters/RTDs)Thermisters - PTC , 1 number per phaseBrake (Type/voltage/torque)Additional T-Box for Accessories | RTDs - 3 number | rs simplex (w/o controller) | | Arrow plate for direction of rotation | | | | | |
| Space heaters - single phase 50z, 230VDouble compression glands (Space heater/thermisters/RTDs)Thermisters - PTC , 1 number per phaseBrake (Type/voltage/torque)Additional T-Box for AccessoriesAdditional nameplate | BTDs - 1 number per bearing (w/o controller) | | | Double compression glands (main cable) | | | | | |
| Thermisters - PTC , 1 number per phaseBrake (Type/voltage/torque)Additional T-Box for Accessories | Space heaters - single phase 50z, 230V | | | Double compression glands (Space heater/thermisters/RTDs) | | | | | |
| Additional nameplate | Thermisters - PT Additional T-Box | C, 1 number per phase x for Accessories | | Brake (Type/voltage/torque) | | | | | |
| | Additional name | plate | | | | | | | |

Notes:

1)All performance values are subject to IS/IEC 60034-1 tolerances, unless otherwise specified.

2)Performance values are at rated voltage and rated frequency condition and for DOL starting condition.

3)Motor GD^2 = Load GD^2 assumed wherever not mentioned.

4)Where starting time is more than 10 seconds, provision of heavy duty relays is mandatory.

5)Kilowatt rating is mandatory and HP is approximate.

6) Accessories provided are marked as "YES"

| | | Prepared by | |
|------------|-------------------|-------------|--|
| | | Approved by | |
| | | Revison | |
| Project: | Contractor/Client | Data | |
| Consultant | Package | Date. | |