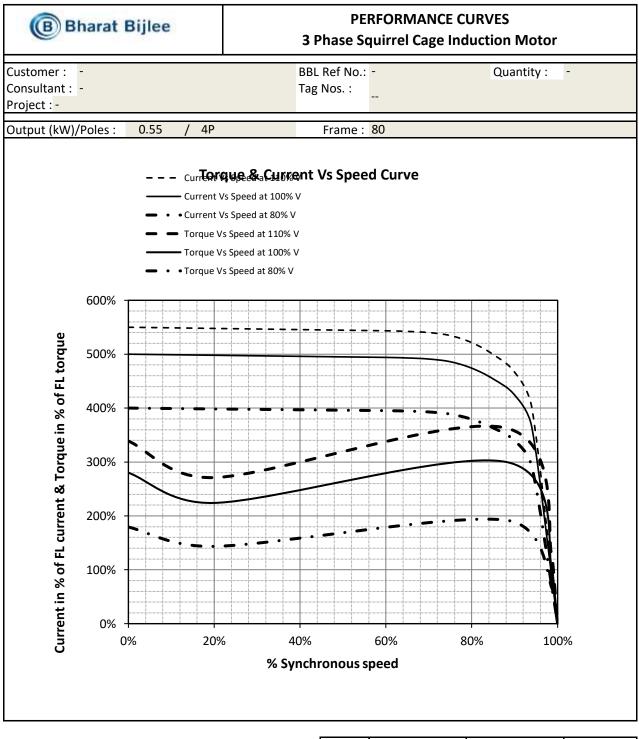
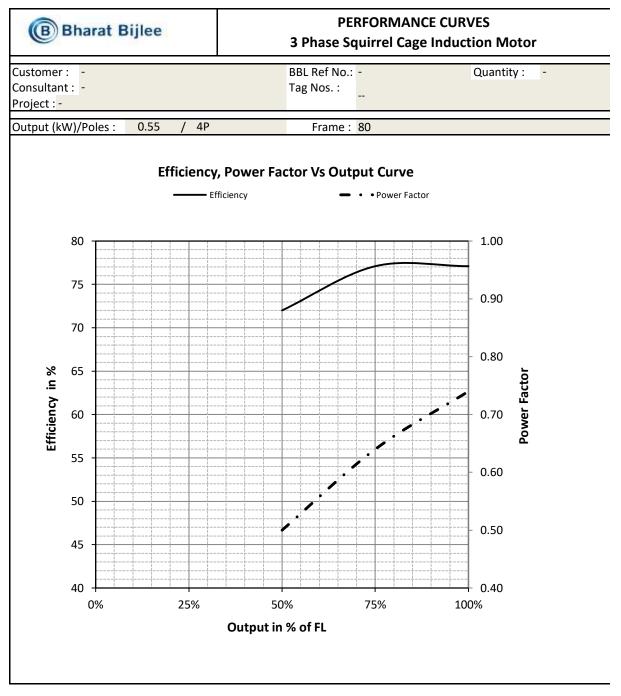
Tap on. Output KV / pole 0.55 / Bit type tof. Frame size Profession (latest oftition) ************************************		Bharat Bijlee Ltd.		Customer	
Splitation CUSTOMER TO FURNISH W.O. No. / SAP No. Image: Comparison of the split of the		Phase Induction Motor			
Targe no. Output KV (pole 0.55 / Bill type tef. Prime size 80 Installation details Applicable standards (latest edition) 80 Avea classification (Safe / Hazardous) Industrial safe area Performance: IS 1393/92 233/83223 80 Avea classification (Safe / Hazardous) Indoor Dimensions IS 1231/18 223/18/223 80 Visitude (orders) 1000 or less Vibrations IS 1231/18 223/18/223 80 Visitude (orders) NA. Notinge (Volts) and permissible variation 415 4 View classification (GAS (Core 1/20ne 2) N.A. Notinge (Volts) and permissible variation 415 4 Step of Stapolision protection (FLP/Type N.A. Combined variation (absolute sam) ±10% Ciftype '0) CUSTOMER TO FURNISH Starting current (%FLC) 500 7 Starting performance CUSTOMER TO FURNISH Starting current (%FLC) 200 20 Add organ peed curve Parabolic TS curve Nother of consecutive starts (the/cold) (see) 30 7 Starting time at rated voltage (sec) 124 Dory and	•				
Bit type tef. Prime size 80 Maintaliant etails Applicable standards (latest etition) 80 ven classification (Safe / Hazardous) Industrial safe area Performance: IS 15999-1 Maintenance IS:900 50 Acatabase indoor outdoor/deck Indoor Dimensions: IS 12371S 2223/IS:8223 50 Vitra (enters) 1000 or less Vitrations: IS 12371S 2223/IS:8223 50 Vitra (enters) 1000 or less Vitrations: IS 12375 50 Sig group N.A. Nonaber of phases Three Sig poop N.A. Nonaber of phases 115 2 Year of Explosin protection (FLPType N.A. Combined variation 415 2 Viget of Explosin protection (FLPType N.A. Combined variation (absolute sum) ±10% Approving authority for hazardous area Not Applicable Starting carrent (%FLC) 500 Express of starting 0.0.0666 Pall out troppe (%FLT) 280 Add pred (rpm) CUSTOMER TO FURNISH Starting troppe (%FLT) 200 Good GD' (kgm ²) CUSTOMER TO FURNISH Locket o		CUSTOM	ER TO FURNISH		
Intelliation details Applicable standards (latest edition) Vara classification (Safe / Hazardous) Industrial safe area Performance: 18 1999-1 Maintenance 15:900 vara classification (Safe / Hazardous) Indoor Dimensions: 18 121/18 2221/58:223 Variant (ensers) 1000 or less Vibrations: 18 12015 transmission (Safe / Mazardous) Sagept conditions and permissible variations Grid Augept) transmission (Safe / Mazardous) NA. Noting event (% FLQ) The system of the system					-
Area classification (Safe / Hazardous) Industrial safe area Performance: IS15999-1 Maintenance IS:000 occation: indoor/outdoor/deck Indoor Dimensions: IS 1231/IS 2223/IS:8223 Minude (meters) 1000 or less Noise level: IS 12065 Marchan care details Supple conditions and permisible variation: (gri xupply) Vea classification GAS (Zone 1/Zone 2) N.A. Votage (Votas) and permisible variation 50 # Sympe of Explosion protection (FLP/Type N.A. Votage (Votas) and permisible variation 50 # Sympe of Explosion protection (FLP/Type N.A. Frequency (Hz) and permisible variation 50 # Sympe of Explosion protection (FLP/Type N.A. Combined variation (absolute sun) ±10% Sympe of Explosion protection (FLP/Type N.A. Combined variation (absolute sun) ±10% Approxing authority for hazardous area NotA Protected and anomalies 50 # Starting organ autority for hazardous area NotA Starting torque (% FLT) 2000 2000 2000 2000 2 2 30 / Constraing trans aread voltage (sec)					80
Induction Indoor Dimensions: IS 1231/IS 2223/IS/8223 Utilitide (interers) 100or Pimensions: IS 1231/IS 2223/IS/8223 Utilitide (interers) NA. Noise level: IS 12065 stardous area details Supply conditions and permissible variations (grid supply) varial classification (GS / Zone 1/Zone 2) N.A. Number of phases Three Supply conditions and permissible variation 415 # Syste of Explosion protection (FLP/Type N.A. Frequency (H2) and permissible variation 415 Syste of Explosion protection (FLP/Type N.A. Combined variation (absolute sun) ±10% Syste of Explosion protection (FLP/Type N.A. Combined variation (absolute sun) ±10% Starting coursed (%FLT) 280 Adsolute (%FLT) 280 Add or GD* (Rgm²) 0.0066 Pall out corque (%FLT) 300 CLSTOMER TO FURNISH Lacked roter withstand time (hot/cold) (sec) 30 / Naming thermanee Not application Continuous 2/ / 3 Indiation class / outilisation class on DOL F/B 2/ / 3 2/ / 3 Indiating classtre	tion details	1		Applicable standards (latest edition)	1
Windle (meters) 1000 or less Windlow (meters) Noise verd B12075 Stopp conditions and permissible variations (grid supply) Iteardous area details Supply conditions and permissible variations (grid supply) Your classification GAS (Zone 1/Zone 2) N.A. Number of plases Three gas group N.A. Voltage (Volts) and permissible variation 50 ± yee of Explosion protection (PLP/Type N.A. Frequency (Hz) and permissible variation 50 ± yee of Explosion protection (PLP/Type N.A. Combined variation (absolute sum) ±10% Proproving authority for hazardous area Not Applicable Electrical parameters Starting current (%FLC) S00 200 CUSTOMER TO FURNISH Starting current (%FLC) 300 / outcourse-speed curve Parabolic TS curve provided Load GD2 = Moor GD2 2 / 3 starting time at rated voltage (sec) D/ 70 CDFEquivalent starts per hour/FI - Starting time at rated voltage (sec) FA 70 CDFEquivalent starts per hour/FI - Starting time at rated voltage (sec)	`	· · · · ·			
Supply conditions and permissible variations (grid supply) Area classification GAS (Zone 1/Zone 2) N.A. Number of phases Three Carea classification GAS (Zone 1/Zone 2) N.A. Number of phases Three Carea classification GAS (Zone 1/Zone 2) N.A. Voltage (Volts) and permissible variation 50 ± Prequents (ILE) N.A. Frequents (ILE) Combined variation (absolute sum) ±10% Approving authority for hazardous area Not Applicable Starting current (%FLC) 500 Extertical parameters Starting current (%FLC) 500 500 Cust TOMER TO FURNISH Starting current (%FLC) 300 200 Load torque-speed curve Parabolic TS curve Number of consecutive starts (hut/cold) (sec) 30 / Starting time at rated voltage (sec) PLEASE FURNISH ALL ABOVE Lecked rotor withstand time (hut/cold) (sec) 30 / Fredictory class FE2 Duty and designation Continuous 2/ 3 Starting time at rated voltage (sec) FE7 Insulation class / utilisation class on DDL F4 Fall load current (FLC) angs.		utdoor/deck			
Vera classification GAS (Zone 1/Zone 2) N.A. Number of phases Immedia Immedia Sag goop N.A. Voltage (Volts) and permissible variation 415 ± ± Ferguenes N.A. Frequency (Hz) and permissible variation 50 ± ± Syne of Explosion protection (FLP/Type N.A. Combined variation (absolute sum) ±10% Syne of starting DOL Starting current (%FLC) 500 Gad speed (rpn) CUSTOMER TO FURNISH Starting torque (%FLT) 280 Ador Of ¹ (kgm ²) CUSTOMER TO FURNISH Starting torque (%FLT) 300 Ador Of ¹ (kgm ²) CUSTOMER TO FURNISH Number of consecutive starts (hot/cold) (nos.) 2 / 3 Ador Of ¹ (kgm ²) CUSTOMER TO FURNISH Number of consecutive starts (hot/cold) (nos.) 2 / 3 Starting time at rated voltage (sec) PLEASE FURNISH ALL ABOVE Daty and designation Continuous Starting time at rated voltage (sec) TEFC (TOTALLY ENCLOSED Imalation class / utilisation class on DOL F/B Starting time at rated voltage (sec) TEFC (TOTALLY ENCLOSED Imalation class / utilisation class on DOL F/B Vali load speed (rpm) 1.34 Roor					
ias group N.A. Voltage (Volts) and permisible variation 415 ± imp.class N.A. Frequency (Hz) and permisible variation 50 ± prop of Explosion protection (FLP/Type N.A. Combined variation (absolute sum) ±10% /Type in () Not Applicable Combined variation (absolute sum) ±10% /Zerrial parameters DOL Starting current (%FLC) 500 /Zerrial parameters DOL Starting current (%FLC) 500 /Zord GD ² (kgm ²) 0.00066 Pul out torque (%FLT) 200 /Zord GD ² (kgm ²) CUSTOMER TO FURNISH Incring trung (%FLT) 200 /Zord GD ² (kgm ²) CUSTOMER TO FURNISH Locked rotor withstand time (hot/cold) (sec) 30 / /Zord GD ² (kgm ²) CUSTOMER TO FURNISH Locked rotor withstand time (hot/cold) (sec) 30 / /Zord GD ² (kgm ²) CUSTOMER TO FURNISH Locked rotor withstand time (hot/cold) (sec) 30 / /Zord GD ² (kgm ²) PLEASE FURNISH ALL ABOVE Detaset Endoser Free /Zord GD ² (kgm ²) 104 Cort (TOTALI V ENCLOSED FAN COOLED) Insulation class / utilisation					
Prep-class N.A. Frequency (Hz) and permissible variation 50 ± Vipe of Explosion protection (FLPType (Type in) N.A. Combined variation (absolute sum) ±10% Vipe of Explosion protection (FLPType (Type in) Not Applicable Combined variation (absolute sum) ±10% Starting corrent (%FLC) Starting corrent (%FLC) 500 Oad speed (rpm) CUSTOMER TO FURNISH Starting torque (%FLT) 280 Aotor GD ² (kgm ²) O.0066 Pull out torque (%FLT) 280 Oad torque-speed curve Parabolic TS curve Number of consecutive starts (bot'cold) (sec) 30 / Itaning the at rated voltage (sec) IEZ Duty and designation continuous 2 / 3 relicionare TEFC (TOTALLY ENCLOSED FAN COOLED) Instaltion class / utilisation class on DOL F/B Vill load speed (rpm) 1420 Rotor type (Squirel Cage/Slp ring) Squirel CA Vill load speed (rpm) 1420 Rotor type (Squired Cage/Slp ring) Not applic Vill load speed (rpm) 1420 Rotor type (Squired Cage/Slp ring) Not applic Vill load speed (rpm)	assification G	GAS (Zone 1/Zone 2)			
Type of Explosion protection (FLP/Type N.A. Combined variation (absolute sum) ±10% é/Type h) Not Applicable ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±10%					
Projection NAL Commune variation (assoute sum) Provide sum Approving authority for hazardous area Not Applicable			N.A.	Frequency (Hz) and permissible variation	50 ±5%
Control DOL Starting performance Wethod of sarting DOL Starting current (%FLC) 500 .oad speed (rpm) CUSTOMER TO FURNISH Starting torque (%FLT) 280 .oad GD ² (kgm ²) CUSTOMER TO FURNISH Lacked rotrow withstand time (hor/cold) (sec) 30 / .oad GD ² (kgm ²) CUSTOMER TO FURNISH Lacked rotrow withstand time (hor/cold) (sec) 30 / .oad torque-speed curve Parabolic TS curve Number of consecutive starts (hot/cold) (nos.) 2/3 Barting time at rated voltage (sec) PLEASE FURNISH ALL ABOVE Duty and designation Continuous Zifficiency class IE2 Duty and designation Continuous Ambient temp./temp.rise by resistance (deg.C) 50 70 CDF/Equivalent starts per hour/FI - Taslad ad speed (rpm) 1.420 Rotor type (Squirrel Cage/ Slp ring) Squirrel C Squirrel C Will load curve (FLT) kg-m 0.38 Stator/rotro rule (RV/RA) (Volts/Amps) Not applic Will load speed (rpm) 1420 Rotor type (Squirrel Cage/ Slp ring) Squirrel Cage/ Slp ring) Squirrel Cage/ Slp ring) Squirrel Cage/ Slp ring) Squirrel Cage/ Slp ring) Squir		protection (FLP/Type	N.A.	Combined variation (absolute sum)	±10%
Starting performance DOL Starting current (% FLC) 500 Ocad speed (rpm) CUSTOMER TO FURNISH Starting torque (% FLT) 280 Motor GD ² (kgm ²) 0.0066 Pull out torque (% FLT) 300 .coad GD ² (kgm ²) CUSTOMER TO FURNISH Locked rotor withstand time (hot/cold) (sec) 30 / .coad GD ² (kgm ²) CUSTOMER TO FURNISH Locked rotor withstand time (hot/cold) (nos.) 2 / 3 .coad torque-speed curve Parabolic TS curve Provided Load GD2 = Motor GD2 2 / 3 Starting time at rated voltage (sec) PLEASE FURNISH ALL ABOVE Dety and designation Continuous Starting time at rated voltage (sec) IE2 Duty and designation class on DOL F/B Starting time at rated voltage (sec) IE7 (TOTALLY ENCLOSED Insulation class / utilisation class on DOL F/B Starting time (sec) 1.34 Rotor voltage/stor carrent (RURA) (Volts/Amps) Not applic Vall load corrent (FLC) amps 1.34 Rotor voltage/toric art FU.0.75FL 0.71 7.1 72.0 Power factor art FU.0.75FL 0.74 0.64 Wethod or cooling (TEPC / forced	ing authority	y for hazardous area	Not Applicable		
Starting performance DOL Starting current (%FLC) 500 Oad speed (rpm) CUSTOMER TO FURNISH Starting torque (%FLT) 280 Motor GD ² (kgm ²) 0.0066 Pull out torque (%FLT) 300 .coad GD ² (kgm ²) CUSTOMER TO FURNISH Locked rotor withstand time (hot/cold) (sec) 30 / .coad GD ² (kgm ²) CUSTOMER TO FURNISH Locked rotor withstand time (hot/cold) (sec) 30 / .coad torque-speed curve Parabolic TS curve provided Load GD2 = Motor GD2 2 / 3 Starting time at rated voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS Daty and designation Continuous Starting time at rated voltage (sec) IE2 Daty and designation Continuous Starting time at rated voltage (sec) IE7 (TOTALLY ENCOLED) Insulation class / utilisation class on DOL. F/B Il load current (FLC) amps. 1.34 Rotor type (Squirrel Cage/Silp ring) Squirrel C Tell load speed (rpm) 1420 Rotor voltage/toor carrent (RVRA) (Volts/Amps) Not applic Tell load speed (rpm) 1420 Rotor voltage/toor carrent (RVRA) (Volts/Amps) Not applic <td>al parameter</td> <td>ers</td> <td>1</td> <td>1</td> <td><u>μ</u></td>	al parameter	ers	1	1	<u>μ</u>
Method of starting DOL Starting current (%FLC) 500 Load speed (rpm) CUSTOMER TO FURNISH Starting torque (%FLT) 280 Motor GD ² (kgm ²) 0.0066 Pull out roupe (%FLT) 300 Load GD ² (kgm ²) CUSTOMER TO FURNISH Locked rotor withstand time (hot/cold) (osc) 30 / Load torque-speed curve Parabolic TS curve Number of consecutive starts (hot/cold) (osc) 2 / 3 Starting time at rated voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS Number of consecutive starts (hot/cold) (osc) 2 / 3 Starting time at rated voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS Number of consecutive starts per hour/FI - Starting time at rated voltage (sec) S0 / Continuous - Running Performance IE2 Duty and designation Continuous Continuous Mubient temp/emp/emp/ems by resistance (deg.C) 50 / 70 CDF/Equivalent starts per hour/FI - Full load speed (rpm) 1.34 Rotor volgae/rotor current (R/V kA) (Volts/Amps) Not applic Full load speed (rpm) 0.38 Statator torime constant (min)<	-				
Load speed (rpm) CUSTOMER TO FURNISH Starting torque (% FLT) 280 Motor GD ² (kgm ²) 0.0066 Pall out torque (% FLT) 300 Load GD ² (kgm ²) CUSTOMER TO FURNISH Locked rotor withstand time (hot/cold) (sec) 30 Load GD ² (kgm ²) CUSTOMER TO FURNISH Locked rotor withstand time (hot/cold) (sec) 30 Load torque-speed curve Parabolic TS curve Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2 2/3 Starting time at rated voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2 2/3 Starting time at rated voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS CDF/Equivalent starts per hour/FI - Starting time at rated voltage (sec) 50 / 70 CDF/Equivalent starts per hour/FI - Enclosure TEFC (TOTALLY ENCLOSED FAN COOLED) Insulation class / utilisation class on DOL F/B Full load speed (rpm) 1420 Rotor voltage/rotor current (KV/RA) (Volts/Amps) Not applic Full load speed of protocure (FLT) kg-m 0.38 Stator/rotor time constant (min) 99/122 Staft ex			DOL	Starting current (%FLC)	500
Motor GD ² (kgm ²) 0.0066 Pull out torque (% FLT) 300 Load GD ² (kgm ²) CUSTOMER TO FURNISH Locked rotor withstand time (hot/cold) (sec) 30 / Load torque-speed curve Parabolic TS curve Parabolic TS curve provided Load GD2 = Motor GD2 30 / Starting time at rated voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS PUEASE FURNISH ALL ABOVE DETAILS provided Load GD2 = Motor GD2 2/3 Starting time at rated voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS TEPC (TOTALLY ENCLOSED FAN COOLED) Issuance (ag.C) 50 / 70 CDF/Equivalent starts per hour/FI - Enclosure TEPC (TOTALLY ENCLOSED FAN COOLED) Issuance (ag.C) Squirrel C F/B Full load current (FLC) amps. 1.34 Rotor type (Squirrel C Re/Slp ring) Squirrel C Full load curgue (PLT) kg-m 0.38 Statorotor time constant (min) 90/12 Subfan extention Single cylindrical Direction of rotation viewed from DE Clockwin Degree of protection IP 55 Suitable for bidirectional rotation Yes Subfan extention Single cylindrical					
Notice (kgn ²) CUSTOMER TO FURNISH Locked rotor withstand time (hot/cold) (sec) 30 / Load GD ² (kgn ²) Parabolic TS curve Number of consecutive starts (hot/cold) (nos.) 2 / 3 Load GD ² (kgn ²) Parabolic TS curve Number of consecutive starts (hot/cold) (nos.) 2 / 3 starting time at rated voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS Number of consecutive starts (hot/cold) (nos.) 2 / 3 Ambient temp./temp.rise by resistance (deg.C) 50 / 70 CDF/Equivalent starts per hour/FI - Sinclosure TEFC (TOTALLY ENCLOSED FAN COOLED) Insulation class / utilisation class on DOL F/B Vall load corque (FLC) tagm 0.38 Stator/rotor time constant (min) 90/122 Sinclevin W at FL0.75FL/0.5FL 77.1 77.1 72.0 Power factor at FL/0.75FL/0.5FL 0.74 0.64 Vethod of cooling (TEFC/forced ooled/TESC) B5 Mounting dimensions Refer GA dr. Single cylindrical Direction of rotation viewed from DE Clockwit Searings 10 Paint stade RAL.500 Yes Single cylindrical Direction of cable entry As per GA dr. <td>-</td> <td></td> <td></td> <td></td> <td></td>	-				
Joine Go (egn.) Parabolic TS curve Number of consecutive starts (hot/cold) (nos.) 2 / 3 Jatar orque-speed curve PLEASE FURNISH ALL ABOVE DETAILS PVEASE FURNISH ALL ABOVE DETAILS Number of consecutive starts (hot/cold) (nos.) 2 / 3 Starting time at rated voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS Duty and designation Continuous Starting time at rated voltage (sec) FAR DUty and designation Continuous Starting time at rated voltage (sec) FEPC (TOTALLY ENCLOSED) Insulation class / utilisation class on DOL F/B Starting time at rated voltage (rpm) 1.34 Rotor type (Squirrel Cage/Slip ring.) Squirrel C Full load current (FLC) amps. 1.34 Rotor voltage/rotor current (RV/RA) (Volts/Amps) Not applic. Full load speed (rpm) 1420 Rotor voltage/rotor current (RV/RA) (Volts/Amps) Not applic. Start stention 0.38 Stator/rotor time constant (min) 90/122 Start stention Single cylindrical Direction of rotation viewed from DE Clockwix Obgree of protection IP 55 Suitable for bidirectional rotation Yes Start stention Direct (IC 411)					
Instruction provided Load GD2 = Motor GD2 Starting time at rated voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS PLEASE FURNISH ALL ABOVE DETAILS Running Performance Fifticincy class IE2 Duty and designation Continuous Sindicity class IE2 Duty and designation Continuous Ambient temp./temp.rise by resistance (deg C) 50 / 70 CDF/Equivalent starts per hour/FI - Sinclosure TEFC (TOTALLY ENCLOSED FAN COOLED) Insulation class / utilisation class on DOL F/B Vall load current (FLC) amps. 1.34 Rotor voltage/rotor current (RV/RA) (Volts/Amps) Not applic Vall load current (FLT) kg-m 0.38 Stator/rotor time constant (min) 90/122 Startention Single cylindrical Direction of rotation viewed from DE Clockwit Method of cooling (TEFC/forced TEFC (IC 411) Paint type Actrylic Starting store (Res.) 10 Paint shade RAL 500 Coppling (Direct/flexible/Belt & Palley/Gearbox) Direct Terminal box Colockard from DE As per GA dr Start strating Gearings		curve		Number of consecutive starts (hot/cold) (nos.)	
DETAILS DETAILS Binning Performance Efficiency class IE2 Duty and designation Continuous Ambient temp./temp.rise by resistance (deg.C) 50 / 70 CDF/Equivalent starts per hour/FI - Enclosure TEFC (TOTALLY ENCLOSED FAN COOLED) Insulation class on DOL F/B Pull load current (FLC) amps. 1.34 Rotor type (Squirrel Cage/ Slip ring) Squirrel C Pull load speed (rpm) 1420 Rotor voltage/rotor current (RV/RA) (Volts/Amps) Not applic. Pull load speed (rpm) 1420 Rotor voltage/rotor current (RV/RA) (Volts/Amps) Not applic. Pull load speed (rpm) 1420 Rotor voltage/rotor current (RV/RA) (Volts/Amps) Not applic. Pull pain torque (FLT) kg-m 0.38 Stator/rotor time constant (min) 90/122 Power factor at FL0.75FL.0.5FL 77.1 77.1 20.0 Power factor at FL0.75FL.0.5FL 0.74 0.64 Mechanical parameters Mouting dimensions Refer GA dr Statestration Clockwiz Segree of protection IP 55 Suitable for bidirectional rotation Yes Clockwiz<			PLEASE FURNISH ALL ABOVE	provided Load GD2 = Motor GD2	
Efficiency class IE2 Duty and designation Continuous Ambient temp./temp.rise by resistance (deg.C) 50 / 70 CDF/Equivalent starts per hour/FI - Enclosure TEFC (TOTALLY ENCLOSED FAN COOLED) Insulation class / utilisation class on DOL F/B Full load current (FLC) amps. 1.34 Rotor voltage/rotor current (RV/RA) (Volts/Amps) Not applic Full load speed (rpm) 1420 Rotor voltage/rotor current (RV/RA) (Volts/Amps) Not applic Efficiency in % at FL/0.75FL/0.5FL 77.1 77.1 72.0 Power factor at FL/0.75FL/0.5FL 0.74 0.64 Mounting B5 Mounting dimensions Refer GA dr. Shaft extention Single cylindrical Direction of rotation viewed from DE Clockwin Vethod of cooling (TEFC/forced TEFC (IC 411) Paint type Acrylic wethod of cooling (TEFC/forced TEFC (IC 411) Paint type Acrylic Statoryling (Direct/flexible/Belt & Direct Terminal box Rat. 500 Coupling (Direct/flexible/Belt & Direct Terminal box Rat. 500 Coupling (Direct/flexible/Belt & Direct Direction of cable entry As per GA dr Director of cable entry As per GA dr No of phases/Winding connection/number of a/s STAR Pulley/Gearbox)		0 . ,	DETAILS		
Ambient temp./temp.rise by resistance (deg.C) 50 / 70 CDF/Equivalent starts per hour/FI - Enclosure TEFC (TOTALLY ENCLOSED FAN COOLED) Insulation class / utilisation class on DOL F/B Full load current (FLC) amps. 1.34 Rotor type (Squirrel Cage/Slip ring) Squirrel C Full load speed (rpm) 1420 Rotor voltage/rotor current (RV/RA) (Volts/Amps) Not applic Full load torque (FLT) kg-m 0.38 Stator/rotor time constant (min) 90/122 Efficiency in % at FL/0.7SFL/0.SFL 77.1 77.1 72.0 Power factor at FL/0.7SFL/0.SFL 0.74 0.64 Mechanical parameters Mounting B5 Mounting dimensions Refer GA dr. Shaft extention IP 55 Suitable for bidirectional rotation Yes Alegree of protection IP 55 Suitable for bidirectional rotation Yes Method of cooling (TEFC/forced TEFC (IC 411) Paint type Acrylic Stearing in (Direct/flexible/Belt & Ulty) ID rect Terminal box Terminal box Coupling (Direct/flexible/Belt & Ulty) Ball /Ball Cable size and type(Aluminium) IR X 3C X 4 S Stearing size DE/NDE	0 1	ince	IF2	Duty and designation	Continuous (S1)
The second sec	*	\mathbf{r} rise by resistance (deg \mathbf{C})			-
Full load current (FLC) amps. 1.34 Rotor type (Squirrel Cage/ Slip ring) Squirrel C Full load speed (rpm) 1420 Rotor voltage/rotor current (RV/RA) (Volts/Amps) Not applic Full load torque (FLT) kg-m 0.38 Stator/rotor time constant (min) 90/122 Efficiency in % at FL/0.75FL/0.5FL 77.1 77.1 72.0 Power factor at FL/0.75FL/0.5FL 0.74 0.64 Mounting B5 Mounting dimensions Refer GA dr. Shaft extention Single cylindrical Direction of rotation viewed from DE Clockwin Degree of protection IP 55 Suitable for bidirectional rotation Yes Method of cooling (TEFC/forced TEFC (IC 411) Paint type Acrylic cooled/TESC) 10 Paint shade RAL 500 Starfing rovision (two terminals on stator body) Yes Coupling (Direct/flexible/Belt & Direct Terminal box location when viewed from DE As per GA dr Dimensions of pulley (OD x width) mm - Direction of cable entry As per GA dr Balr/Ball Ball /Ball Cable size and type(Aluminium) IR X 3C X 4 S Searing size DE/NDE 6004 2Z C3 / 6004 2Z C3 Earthing pro		prise by resistance (deg.e)	TEFC (TOTALLY ENCLOSED		F/B
Full load speed (rpm) 1420 Rotor voltage/rotor current (RV/RA) (Volts/Amps) Not applic: Full load torque (FLT) kg-m 0.38 Stator/rotor time constant (min) 90/122 Efficiency in % at FL0.75FL0.5FL 77.1 77.1 72.0 Power factor at FL/0.75FL/0.5FL 0.74 0.64 Mechanical parameters 85 Mounting dimensions Refer GA dr. Shaft extention Single cylindrical Direction of rotation viewed from DE Clockwix Degree of protection IP 55 Suitable for bidirectional rotation Yes Method of cooling (TEFC/forced TEFC (IC 411) Paint type Acrylic Not explicit 10 Paint shade RAL 500 Bearings Terminal box Terminal box Terminal box Coupling (Direct/flexible/Belt & Direct Terminal box Terminal box As per GA dr Directsors of pulley (OD x width) mm - Direction of cable entry As per GA dr Bearings ize DE/NDE 6004 2Z C3 6004 2Z C3 Earthing provision (one terminal in TB) Yes Pyee of lubrication LITHIUM SOAP BASE GREASE No of phases/Winding connection/number of terminals 3 / STAR	d current (FI	ELC) amps		Potor type (Squirrel Cage/Slip ring)	Squirrel Cage
Full load torque (FLT) kg-m 0.38 Stator/rotor time constant (min) 90/122 2fficiency in % at FL/0.75FL/0.5FL 77.1 77.1 72.0 Power factor at FL/0.75FL/0.5FL 0.74 0.64 Mechanical parameters Mounting B5 Mounting dimensions Refer GA dr. Shaft extention Single cylindrical Direction of rotation viewed from DE Clockwin Degree of protection IP 55 Suitable for bidirectional rotation Yes Method of cooling (TEFC/forced booled/TESC) TEFC (IC 411) Paint type Acrylic Net weight of motor (kgs.) 10 Paint shade RAL 500 Baarings Direct Terminal box Terminal box Coupling (Direct/flexible/Belt & Direct Direction of cable entry As per GA dr Dimenssions of pulley (OD x width) mm - Director of cable entry As per GA dr Searing size DE/NDE 6004 2Z C3 6004 2Z C3 Earthing provision (one terminal in TB) Yes Fype of lubrication LITHIUM SOAP BASE GREASE No of phases/Winding connection/number of a/ s/ STAR 3 / STAR Accessories <td>,</td> <td>, 1</td> <td></td> <td></td> <td></td>	,	, 1			
and both of a trip/log in (1) / log in					
MountingB5Mounting dimensionsRefer GA dr.Shaft extentionSingle cylindricalDirection of rotation viewed from DEClockwinDegree of protectionIP 55Suitable for bidirectional rotationYesMethod of cooling (TEFC/forced cooled/TESC)TEFC (IC 411)Paint typeAcrylicNet weight of motor (kgs.)10Paint shadeRAL 500Bearings10Paint shadeRAL 500Coupling (Direct/flexible/Belt & Pulley/Gearbox)DirectTerminal boxDimenssions of pulley (OD x width) mm-Direction of cable entryAs per GA drBearings (roller/ball/angular contact)Ball /BallCable size and type(Aluminium)1R X 3C X 4 SStarting size DE/NDE6004 2Z C3 / 6004 2Z C3Earthing provision (one terminal in TB)YesFype of lubricationLITHIUM SOAP BASE GREASENo of phases/Winding connection/number of terminals3 / STARAccessoriesArrow plate for direction of rotation3 / STARAccessoriesDirect of controller)Double compression glands (main cable)Double compression glands (main cable)	icy in % at FI	FL/0.75FL/0.5FL			
Shaft extention Single cylindrical Direction of rotation viewed from DE Clockwin Degree of protection IP 55 Suitable for bidirectional rotation Yes Method of cooling (TEFC/forced TEFC (IC 411) Paint type Acrylic Net weight of motor (kgs.) 10 Paint shade RAL 500 Bearings Earthing provision (two terminals on stator body) Yes Coupling (Direct/flexible/Belt & Pulley/Gearbox) Direct Terminal box As per GA dr Oimenssions of pulley (OD x width) mm - Direction of cable entry As per GA dr Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 1R X 3C X 4 S Stearing size DE/NDE 6004 2Z C3 / 6004 2Z C3 Koold 2Z C3 Searting provision (one terminal in TB) Yes Fype of lubrication LITHIUM SOAP BASE GREASE No of phases/Winding connection/number of terminals 3 / STAR Accessories Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (main cable)	•	leters	D5	Manufine dimensione	Defen CA deservine
Degree of protection IP 55 Suitable for bidirectional rotation Yes Method of cooling (TEFC/forced TEFC (IC 411) Paint type Acrylic wooled/TESC) 10 Paint shade RAL 500 Net weight of motor (kgs.) 10 Paint shade RAL 500 Bearings Earthing provision (two terminals on stator body) Yes Coupling (Direct/flexible/Belt & Direct Terminal box As per GA dr Coupling (Oirect/flexible/Belt & Direct Terminal box location when viewed from DE As per GA dr Dimenssions of pulley (OD x width) mm - Direction of cable entry As per GA dr Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 1R X 3C X 4 S Bearing size DE/NDE 6004 2Z C3 6004 2Z C3 Earthing provision (one terminal in TB) Yes Cype of lubrication LITHHUM SOAP BASE GREASE No of phases/Winding connection/number of terminals 3 / STAR Accessories T Arrow plate for direction of rotation 3 / STAR BTDs - 3 numbers simplex (w/o controller) Arrow plate for direction of rotation Double compression glands (main cable) Double compressio	0				Ţ.
Description TEFC (IC 411) Paint type Acrylic Method of cooling (TEFC/forced cooled/TESC) 10 Paint type Acrylic Net weight of motor (kgs.) 10 Paint shade RAL 500 Bearings Earthing provision (two terminals on stator body) Yes Searings Terminal box Yes Coupling (Direct/flexible/Belt & Direct Terminal box location when viewed from DE As per GA dr Dimenssions of pulley (OD x width) mm - Direction of cable entry As per GA dr Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 1R X 3C X 4 S Bearing size DE/NDE 6004 2Z C3 / 6004 2Z C3 6004 2Z C3 Earthing provision (one terminal in TB) Yes Fype of lubrication LITHIUM SOAP BASE GREASE No of phases/Winding connection/number of terminals 3 / STAR Accessories TSTAR Arrow plate for direction of rotation 3 / STAR BTDs - 1 number per bearing (w/o controller) Druble compression glands (main cable) Duble compression glands (main cable)			ę :		
cooled/TESC)TEPC (IC 411)Paint typeActylicNet weight of motor (kgs.)10Paint shadeRAL 500BearingsEarthing provision (two terminals on stator body)YesScoupling (Direct/flexible/Belt & Pulley/Gearbox)DirectTerminal boxCoupling (Object/flexible/Belt & Pulley/Gearbox)DirectTerminal box location when viewed from DEAs per GA drDimenssions of pulley (OD x width) mm-Direction of cable entryAs per GA drBearings (roller/ball/angular contact)Ball /BallCable size and type(Aluminium)1R X 3C X 4 SBearing size DE/NDE6004 2Z C3 / 6004 2Z C3Earthing provision (one terminal in TB)YesFype of lubricationLITHIUM SOAP BASE GREASENo of phases/Winding connection/number of terminals3 / STARAccessoriesRTDs - 3 numbers simplex (w/o controller)Arrow plate for direction of rotationDouble compression glands (main cable)Double compression glands (main cable)Double compression glands (main cable)Double compression glands (Space			IP 55	Suitable for bidirectional rotation	Yes
Bearings Earthing provision (two terminals on stator body) Yes Coupling (Direct/flexible/Belt & Direct Terminal box Terminal box Pulley/Gearbox) Direct Terminal box location when viewed from DE As per GA dr Dimenssions of pulley (OD x width) mm - Direction of cable entry As per GA dr Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 1R X 3C X 4 S Bearing size DE/NDE 6004 2Z C3 6004 2Z C3 Earthing provision (one terminal in TB) Yes Type of lubrication LITHIUM SOAP BASE GREASE No of phases/Winding connection/number of terminals 3 / STAR Accessories RTDs - 3 numbers simplex (w/o controller) Arrow plate for direction of rotation Bouble compression glands (main cable) Double compression glands (main cable) Double compression glands (Space Double compression glands (Space	TESC)				Acrylic
Bearings Terminal box Coupling (Direct/flexible/Belt & Pulley/Gearbox) Direct Terminal box location when viewed from DE As per GA dr Dimenssions of pulley (OD x width) mm - Direction of cable entry As per GA dr Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 1R X 3C X 4 S Bearing size DE/NDE 6004 2Z C3 6004 2Z C3 Earthing provision (one terminal in TB) Yes Type of lubrication LITHIUM SOAP BASE GREASE No of phases/Winding connection/number of terminals 3 / STAR Accessories RTDs - 3 numbers simplex (w/o controller) Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (main cable) Double compression glands (main cable) Double compression glands (Space	ght of motor	r (kgs.)	10		RAL 5000
Coupling (Direct/flexible/Belt & Direct Terminal box location when viewed from DE As per GA dr Pulley/Gearbox) Direction of cable entry As per GA dr Dimenssions of pulley (OD x width) mm - Direction of cable entry As per GA dr Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 1R X 3C X 4 S Bearing size DE/NDE 6004 2Z C3 / 6004 2Z C3 Earthing provision (one terminal in TB) Yes Type of lubrication LITHHUM SOAP BASE GREASE No of phases/Winding connection/number of terminals 3 / STAR 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) Double compression glands (Space Double compression glands (Space Double compression glands (Space	25				Yes
Pulley/Gearbox) Direct Terminal box location when viewed from DE As per GA dr Dimenssions of pulley (OD x width) mm - Direction of cable entry As per GA dr Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 1R X 3C X 4 S Bearing size DE/NDE 6004 2Z C3 / 6004 2Z C3 Earthing provision (one terminal in TB) Yes Type of lubrication LITHHUM SOAP BASE GREASE No of phases/Winding connection/number of terminals 3 / STAR 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)	·	lexible/Belt &			
Dimensions of pulley (OD x width) mm - Direction of cable entry As per GA dr Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 1R X 3C X 4 S Bearing size DE/NDE 6004 2Z C3 6004 2Z C3 Earthing provision (one terminal in TB) Yes Type of lubrication LITHIUM SOAP BASE GREASE No of phases/Winding connection/number of terminals 3 / STAR Accessories Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (main cable)			Direct	Terminal box location when viewed from DE	As per GA drawing
Bearings (roller/ball/angular contact) Ball /Ball Cable size and type(Aluminium) 1R X 3C X 4 S Bearing size DE/NDE 6004 2Z C3 6004 2Z C3 Earthing provision (one terminal in TB) Yes Type of lubrication LITHIUM SOAP BASE GREASE No of phases/Winding connection/number of terminals 3 / STAR Accessories RTDs - 3 numbers simplex (w/o controller) Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (main cable) Double compression glands (Space Double compression glands (Space		ley (OD x width) mm	-	Direction of cable entry	As per GA drawing
Type of lubrication LITHIUM SOAP BASE GREASE No of phases/Winding connection/number of terminals 3 / STAR Accessories Acc	Bearings (roller/ball/angular contact)		Ball /Ball		1R X 3C X 4 SQ MM
Type of lubrication LITHIUM SOAP BASE GREASE No of phases/Winding connection/number of terminals 3 / STAR Accessories Accessories Acrow plate for direction of rotation 3 / STAR RTDs - 3 numbers simplex (w/o controller) Arrow plate for direction of rotation 5 BTDs - 1 number per bearing (w/o controller) Double compression glands (main cable) 5	size DE/ND	DE	6004 2Z C3 / 6004 2Z 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) Double compression glands (Space) Double compression glands (Space)	•			No of phases/Winding connection/number of	3 / STAR / 6
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) Double compression glands (Space) Double compression glands (Space)	ories		I	Continues	1
3TDs - 1 number per bearing (w/o controller) Double compression glands (main cable) Double compression glands (Space)		simplex (w/o controller)		Arrow plate for direction of rotation	
Double compression glands (Space					
heater/thermisters/RTDs)		gle phase 50z, 230V		Double compression glands (Space	
Thermisters - PTC, 1 number per phase Brake (Type/voltage/torque)	Thermisters - PTC , 1 number per phase Additional T-Box for Accessories			,	
Additional 1-Box for Accessories Additional nameplate					
Notes: ()All performance values are subject to IS15999-1 tolerances, unless otherwise specified. ()Performance values are at rated voltage and rated frequency condition and for DOL starting condition. ()Motor GD ² = Load GD ² assumed wherever not mentioned. ()Where starting time is more than 10 seconds, provision of heavy duty relays is mandatory.	erformance va rmance value r GD ² = Load	values are subject to IS15999 ues are at rated voltage and ra $pad \text{ GD}^2$ assumed wherever no	ted frequency condition and for DOL of mentioned.	starting condition.	

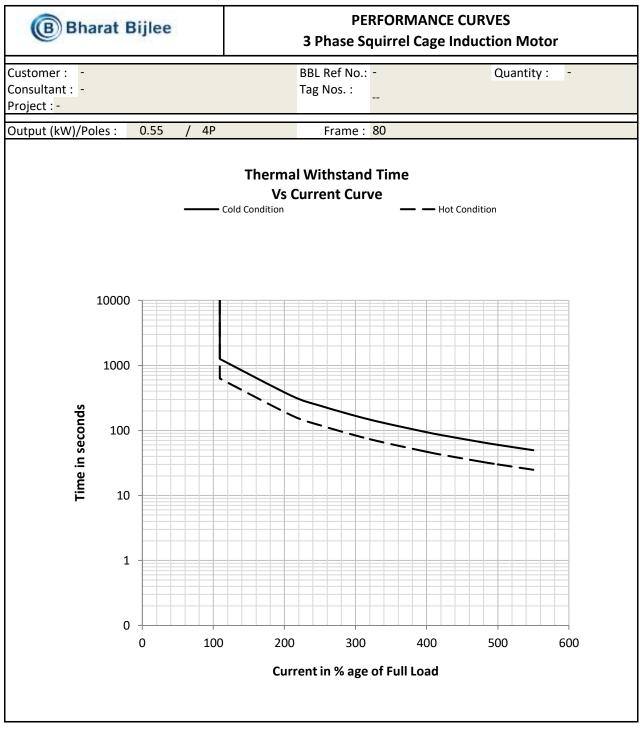
			Prepared by	
			Approved by	
			Revison	
Project:	Contractor/Client		Date:	
Consultant	Package			



-	-	-	-
Rev No.	Prepared By	Checked By	Date



-	-	-	-
Rev No.	Prepared By	Checked By	Date



-	-	-	-
Rev No.	Prepared By	Checked By	Date