

LAKSHMI ELECTRICAL DRIVES PRIVATE LIMITED., Coimbatore - 641 004.

TECHNICAL DATA SHEET - 9.3 kW 6 POLE INDUCTION MOTOR

3 O 4 O 5 PH 6 PM 7 FT 8 VM 9 FT 10 CM 11 In 12 AM 15 AM 15 M 16 TM 17 FT 18 FT 19 FT 17 FT 18 FT 19 FT 19 FT 19 PM 10 M 1	Product no: Dutput power (kW) Dutput power (HP)	LE16063003 9.3 12.5 3 6 160L 415±10% 50±5% DELTA F 50 S1 B3 IS12615/IEC 60034-1 Sq.Cage Induction motor 18 92.5 960 700 200
4 O 5 Pi 6 Pc 7 Fr 8 Vc 9 Fr 10 Cc 11 In 12 Ar 13 Dr 14 M 15 Ar 16 Ty 17 Fr 20 St 21 St 22 Br 22 Br 22 Br 23 % 24 25 26 Pc 27 28 29 Te 30 Se 31 M 32 Di 33 Cc 33 Cc	Dutput power (HP) hase colarity rame foltage (V) requency & it's variation (Hz) connection resulation class rembient temp (Deg. C) return temp (Deg. C)	12.5 3 6 160L 415±10% 50±5% DELTA F 50 S1 B3 IS12615/IEC 60034-1 Sq.Cage Induction motor 18 92.5 960 700 200
4 O 5 Pi 6 Pc 7 Fr 8 Vc 9 Fr 10 Cc 11 In 12 Ar 13 Dr 14 M 15 Ar 16 Ty 17 Fr 20 St 21 St 22 Br 22 Br 22 Br 23 % 24 25 26 Pc 27 28 29 Te 30 Se 31 M 32 Di 33 Cc 33 Cc	Dutput power (HP) hase colarity rame foltage (V) requency & it's variation (Hz) connection resulation class rembient temp (Deg. C) return temp (Deg. C)	3 6 160L 415±10% 50±5% DELTA F 50 S1 B3 IS12615/IEC 60034-1 Sq.Cage Induction motor 18 92.5 960 700 200
5 Pi 6 Pi 7 Fr 8 Vi 9 Fr 10 Ci 11 In 12 Ai 13 Di 14 M 15 Ai 16 Ty 17 Ft 18 Ft 20 Si 21 Si 22 Bi 22 Bi 23 % 24 25 26 Pi 27 28 28 29 Te 28 31 M 32 Di 33 Ci	hase colarity rame foltage (V) requency & it's variation (Hz) connection resulation class rembient temp (Deg. C) ruty founting pllicable code type reference ull Load Current (Amps) ull Load Torque -(Nm) ull Load Speed (rpm) tarting Current as % of FLC tarting Torque as % of FLT rake down or Pull out Torque % FLT	6 160L 415±10% 50±5% DELTA F 50 S1 B3 IS12615/IEC 60034-1 Sq.Cage Induction motor 18 92.5 960 700 200
6 Pc 7 Fr 8 Vc 9 Fr 10 Cc 11 In 12 Ar 13 Dr 14 M 15 Ar 16 Ty 17 Fr 18 Fr 20 St 21 St 22 Br 23 % 24 Dr 26 Pc 27 Dr 28 Dr 28 Dr 33 Cc 33 Cc	rame olarity rame oltage (V) requency & it's variation (Hz) connection resulation class rembient temp (Deg. C) ruty flounting pllicable code ruty reference rull Load Current (Amps) rull Load Torque -(Nm) rull Load Speed (rpm) retarting Current as % of FLC rake down or Pull out Torque % FLT	6 160L 415±10% 50±5% DELTA F 50 S1 B3 IS12615/IEC 60034-1 Sq.Cage Induction motor 18 92.5 960 700 200
7 Fr 8 Vo 9 Fr 10 Co 11 In 12 Ar 13 Dr 14 M 15 Ar 16 Ty 17 Fr 18 Fr 20 St 21 St 22 Br 23 % 24 Co 27 Co 28 Co 29 Te 30 Se 31 M 32 Di 33 Co	rame foltage (V) requency & it's variation (Hz) connection resulation class mbient temp (Deg. C) retty founting pllicable code ype reference ull Load Current (Amps) ull Load Torque -(Nm) ull Load Speed (rpm) ttarting Current as % of FLC tarting Torque as % of FLT rake down or Pull out Torque % FLT	160L 415±10% 50±5% DELTA F 50 S1 B3 IS12615/IEC 60034-1 Sq.Cage Induction motor 18 92.5 960 700 200
9 Fr 10 Co 11 In 12 Ar 13 Di 14 M 15 Ar 16 Ty 17 Fr 18 Fr 20 St 21 St 22 Br 23 % 24 Dr 25 Dr 26 Pc 27 Dr 28 Dr 28 Dr 33 Co	requency & it's variation (Hz) connection asulation class ambient temp (Deg. C) outy founting pllicable code ype reference ull Load Current (Amps) ull Load Torque -(Nm) ull Load Speed (rpm) tarting Current as % of FLC tarting Torque as % of FLT rake down or Pull out Torque % FLT	415±10% 50±5% DELTA F 50 S1 B3 IS12615/IEC 60034-1 Sq.Cage Induction motor 18 92.5 960 700 200
9 Fr 10 Co 11 In 12 Ar 13 Di 14 M 15 Ar 16 Ty 17 Fr 18 Fr 20 St 21 St 22 Br 23 % 24 Dr 25 Dr 26 Pc 27 Dr 28 Dr 28 Dr 33 Co	requency & it's variation (Hz) connection asulation class ambient temp (Deg. C) outy founting pllicable code ype reference ull Load Current (Amps) ull Load Torque -(Nm) ull Load Speed (rpm) tarting Current as % of FLC tarting Torque as % of FLT rake down or Pull out Torque % FLT	50±5% DELTA F 50 S1 B3 IS12615/IEC 60034-1 Sq.Cage Induction motor 18 92.5 960 700 200
111 In 112 Ar 113 Dr 114 M 115 Ar 116 Ty 117 Fr 118 Fr 119 Fr 120 St 121 St 122 Br 122 Br 122 Br 122 Br 122 Br 122 Br 123 % 124 Pr 125 Pr 128 Pr 128 Pr 129 Te 130 Se 131 M 132 Dr 1333 Co	Insulation class Imbient temp (Deg. C) Inuty Idounting Ipllicable code Ippereference Insulation of the code Insul	DELTA F 50 S1 B3 IS12615/IEC 60034-1 Sq.Cage Induction motor 18 92.5 960 700 200
12 Ai 13 Di 14 M 15 Ai 16 Ty 17 Ft 18 Ft 19 Ft 20 St 21 St 22 Bi 22 Bi 22 Bi 22 Bi 22 Bi 22 Bi 23 % 24 Ei 25 Ei 26 Pt 27 Ei 28 Ei 29 Tt 33 Ci	Introduction of FLC tarting Torque as % of FLC tarting Torque will out Torque % FLT Introduction of Torque (Norque (N	50 S1 B3 IS12615/IEC 60034-1 Sq.Cage Induction motor 18 92.5 960 700 200
13 Di 14 M 15 Ai 16 Ty 16 Ty 17 Fu 18 Fu 20 St 21 St 22 Bi 22 Bi 22 Bi 22 Bi 22 Bi 22 Bi 23 % 24 Di 25 Di 33 Co	Jounting Jou	S1 B3 IS12615/IEC 60034-1 Sq.Cage Induction motor 18 92.5 960 700 200
14 M 15 A 16 T 17 F 18 F 19 F 20 S 21 S 22 B 22 B 22 B 22 B 22 B 23 % 24 B 25 B 29 T 28 B 31 M 32 D 33 C	Jounting pllicable code ype reference ull Load Current (Amps) ull Load Torque -(Nm) ull Load Speed (rpm) tarting Current as % of FLC tarting Torque as % of FLT rake down or Pull out Torque % FLT	B3 IS12615/IEC 60034-1 Sq.Cage Induction motor 18 92.5 960 700 200
15 A _I 16 Ty 17 Ft 18 Ft 19 Ft 20 St 21 St 22 Br 22 Br 22 Br 22 Br 22 Br 23 % 24	pllicable code ype reference ull Load Current (Amps) ull Load Torque -(Nm) ull Load Speed (rpm) tarting Current as % of FLC tarting Torque as % of FLT rake down or Pull out Torque % FLT	IS12615/IEC 60034-1 Sq.Cage Induction motor 18 92.5 960 700 200
16 Ty 17 Ft 18 Ft 19 Ft 20 St 21 St 22 Bt 22 Bt 23 % 24 25 26 Pt 27 28 29 Tt 33 M 32 Di 33 Co	ype reference ull Load Current (Amps) ull Load Torque -(Nm) ull Load Speed (rpm) tarting Current as % of FLC tarting Torque as % of FLT rake down or Pull out Torque % FLT	Sq.Cage Induction motor 18 92.5 960 700 200
17 Fu 18 Fu 19 Fu 20 St 21 St 22 Bu 22 Bu 23 % 24 25 26 Pu 27 28 29 Te 30 Se 31 M 32 Di 33 Co	ull Load Current (Amps) ull Load Torque -(Nm) ull Load Speed (rpm) tarting Current as % of FLC tarting Torque as % of FLT rake down or Pull out Torque % FLT	18 92.5 960 700 200
18	ull Load Torque -(Nm) ull Load Speed (rpm) tarting Current as % of FLC tarting Torque as % of FLT rake down or Pull out Torque % FLT	92.5 960 700 200
19 Fu 20 St 21 St 22 Br 22 Br 23 % 24 25 26 Pc 27 28 29 Te 30 Se 31 M 32 Di 33 Co	ull Load Speed (rpm) tarting Current as % of FLC tarting Torque as % of FLT rake down or Pull out Torque % FLT	960 700 200
20 St 21 St 22 Bt 22 Bt 23 % 24 25 26 Pc 27 28 29 Te 30 Se 31 M 32 Di 33 Co	tarting Current as % of FLC tarting Torque as % of FLT rake down or Pull out Torque % FLT	700 200
21 St 22 Br 23 % 24 25 26 Pc 27 28 29 Te 30 Se 31 M 32 Di	tarting Torque as % of FLT rake down or Pull out Torque % FLT	200
22 Br 23 % 24 25 26 Pc 27 28 29 Te 30 Se 31 M 32 Di 33 Co	rake down or Pull out Torque % FLT	
23 % 24 25 26 Pc 27 28 29 Te 30 Se 31 M 32 Di 33 Co	· · · · · · · · · · · · · · · · · · ·	
24	Efficiency at 100%	280
25 Pc 26 Pc 27 28 Pc 29 Tc 30 Sc 31 M 32 Di 33 Cc		88.1 (IE2)
26 Pc 27 28 29 Te 30 Se 31 M 32 Di 33 Co	at 75%	88.1
227 228 229 Te 330 Se 331 M 332 Di 333 Co	at 50%	87.6
28 29 Te 80 Se 31 M 32 Di 33 Ce	ower factor at 100%	0.83
29 Te 30 Se 31 M 32 Di 33 Ce	at 75%	0.79
30 Se 31 M 32 Di 33 Ce	at 50%	0.7
31 M 32 Di 33 Co	emperature Rise	B CLASS LIMIT
32 Di 33 Co	ervice Factor	1
33 C	Ioment of Inertia	0.4
	irection of Rotation	Bidirectional
1 I I I I I	coupling/Pulley	Direct/Flexible
	lethod of Cooling	IC411
	nclosure	TEFC
	rotection	IP55
	earing type	Deep Groove Ball Bearing
	earing no. DE/NDE	6309ZZ C3/6309ZZ C3
	aint/Coating	As per Customer Request
	laterial of Construction	CI FG200
	haft Material	EN8
	lelative Humidity	<90
	erminal box position	TOP
	o of terminals	6
	Vorking Altitude level.	As per customer requirement
16 A	dditonal Requirement	1000 MT
Effic	ciency Values are without seals.	