

DATA SHEET

Premium Efficiency Motor: **IEC10-18-132,**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	10
RPM	1800
Phase	3
Frequency	60
Voltage	230/460
Frame Size	132M
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.15
Poles	4
Full Load Speed	1768
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	K
Duty Cycle	S1
Slip	1.77%
IEC Design	N
Moment of Inertia	0.7025 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	91 dB(A)
Number of Starts	2 Hot / 3 Cold
Max Ambient Temperature	40° C
Max Elevation	1000 m.a.s.l (3300 f.a.s.l)
Mounting	F3
Rotation	Bidirectional
Area of Classification	Safe
Inverter Rating	10:1 CT/20:1 VT
Standard	IEC 60034 and IEC 60072
Approvals	UL, CE

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	91.7 %	0.78
75%	91.6 %	0.72
50%	90.3 %	0.60

TORQUE

FULL LOAD	LRT	BDT
40.44 lb.ft.	466 %	508 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	26.20	13.10
Locked Rotor Amps	223.40	111.70
No Load Current	13.65	6.83

BEARING INFORMATION

DE Bearing	6308 ZZ
ODE Bearing	6306 ZZ
Grease Type	NS7

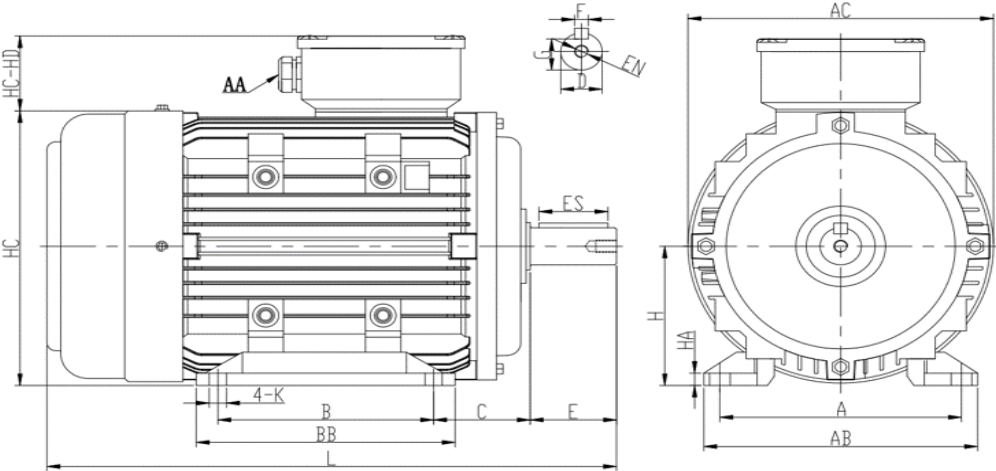
ADDITIONAL DATA

Multi-Mount	Yes
Shaft Material	AISI 1040/45
Connection Diagram	9 Lead Wye
Approximate Weight	56.5 kg

MOTOR DRAWING

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DIMENSION - METRIC (mm)

MOUNTING					L	H	HA	AC	HC	K
A	B	C	AB	BB						
216	178	89	268	223	494	132	18.5	234	250	12

SHAFT & KEY					
F	ES	G	E	D	EN
10	63	33	80	38	M12*30mm

TERMINAL BOX	
AA	HD-HC
M32	80

PERFORMANCE CURVES

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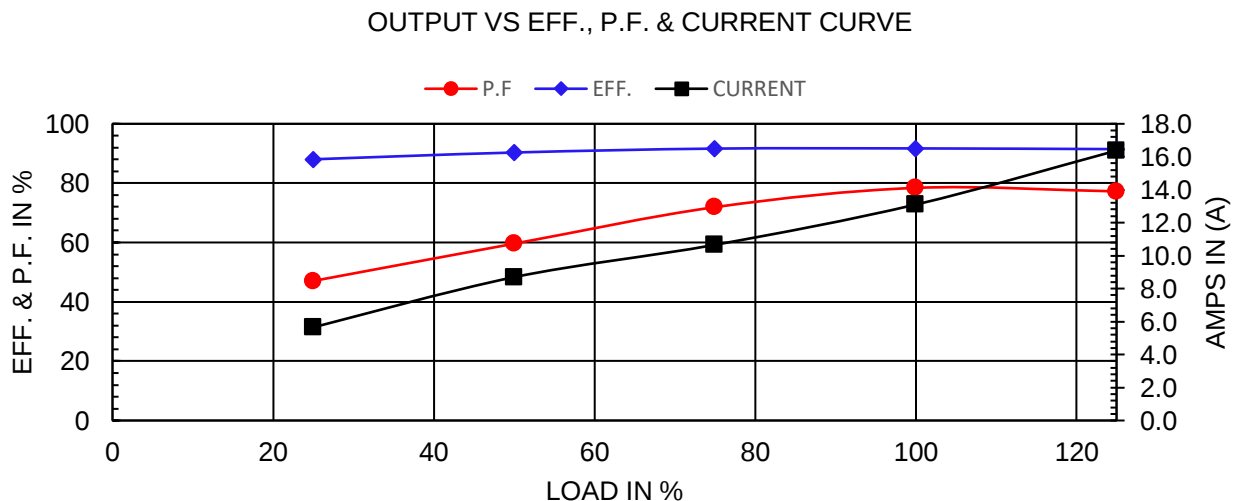
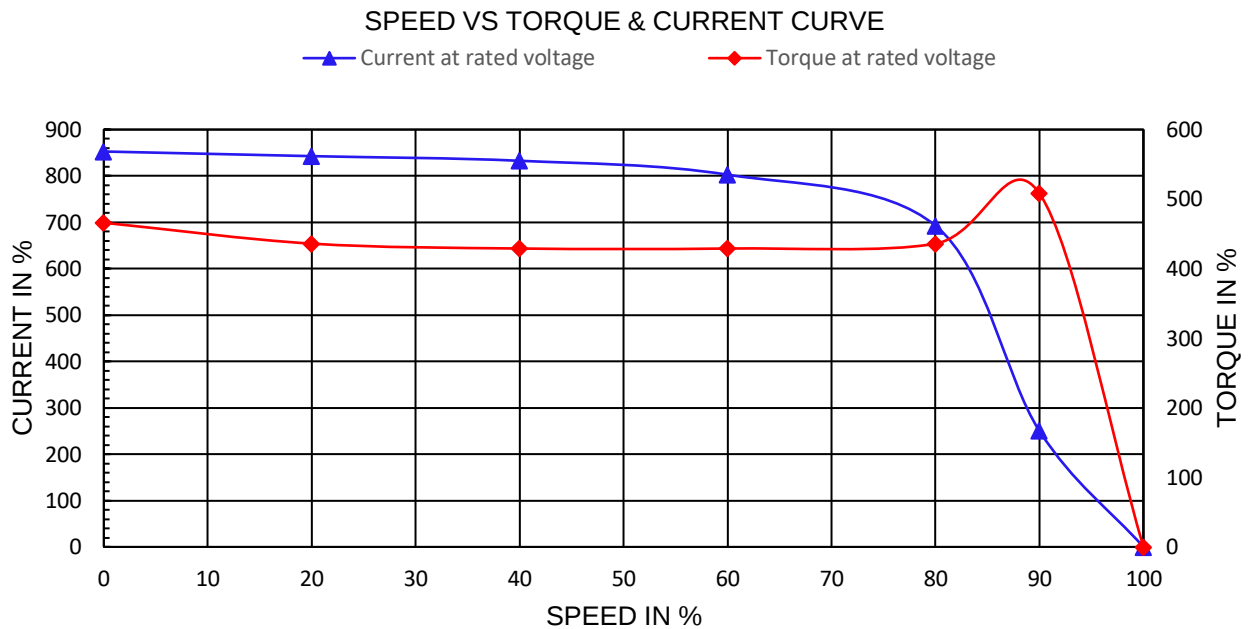


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Motor Type					
Output Rating (HP)	10		FL Speed	1768	
Full Load Torque	40.440 lb.ft		LRT (%FLT)	466	460 volt FLA 13.10
Rotor Wk^2	0.7025 lb-ft^2		BDT (%FLT)	508	230 volt FLA 26.20



NAMEPLATE / WIRING

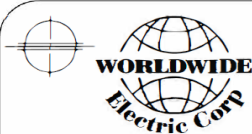
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SAMPLE NAMEPLATE DATA



3-PHASE
INDUCTION MOTOR

ENERGY
C[®] US
E309286

IE3 CE

IEC 60034-1

TYPE			OUTPUT	HP	kW	INS.F	FR.			IP55	AMB.40°C	
V	Hz	A	r/min	SF	IE CODE	η 100%		η 75%		η 50%		
4 5 6 7 8 9 1 2 3 2Y			4 5 6 7 8 9 1 2 3 Y			Code " " at 60Hz			Duty		S1	
DES				N		DE BRG						
IC				411		ODE BRG						
SN.						Date		Weight		kg		



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TYPE	IEC10-18-132		OUTPUT	HP	10	kW	7.46	FRAME	132M
V	Hz	A	r/min.	SF	IE CODE	η100%	η75%	η50%	
190/380	50	30.6/15.3	1458	1.00	IE3	90.4	91.2	90.8	
230/460	60	26.2/13.10	1768	1.15	IE3	91.7	91.6	90.3	

Code"	K	"at 60Hz	DE BRG	6308 ZZ	Weight	56.5 kg
			ODE BRG	6306 ZZ		