

BALDOR® • RELIANCE

Product Information Packet

EJMM4108T

30HP,3525RPM,3PH,60HZ,286JM,1048M,TEFC,F

Part Detail

Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	10WGGZ501	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:	10E380	Layout:	10LYE380	Poles:	02	Created Date:	08-31-2017
Base:	RG	Eff. Date:	09-29-2017	Leads:	9#10		

Specs

Catalog Number:	EJMM4108T	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Inverter Duty
Frame:	286JM	KVA Code:	G
Frame Material:	Iron	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	30.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 10 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	1048M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	90
	CSA EEV	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Pump Coupling Shaft
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding

Current @ Voltage:	34.000 A @ 460.0 V	Shaft Rotation:	Reversible
	68.000 A @ 230.0 V	Shaft Slinger Indicator:	Shaft Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP3443L										
CAT.NO.	EJMM4108T			CUST. P/N				ENCL	TEFC	
SPEC.	10E380Z501G2		CC	010A		FRAME	286JM		SER.NO.	
HP	30		CLASS	F		HZ	60			
R.P.M.	3525		PH	3		DES	B			
VOLTS	230/460		CODE	G		ODE BRG	6309		DE BRG	6312
AMPS	68/34		USABLE AT 208V							
RATING	40C AMB-CONT		NEMA NOM. EFF.	91.7		GREASE	POLYREX EM			
P.F.	90		SER.F.	1.15		VPWM INVERTER READY				
HTR-VOLTS			HTR-AMPS			HTR-WATTS				

AC Induction Motor Performance Data

Record # 55452 - Typical performance - not guaranteed values

Winding: 10WGZ501-R001	Type: 1048M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	30			Full Load Torque	44.8 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	68/34			Breakdown Torque	135 LB-FT
R.P.M.	3520			Pull-up Torque	47 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	65.2 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	212 A
Service Factor (S.F.)	1.15			No-load Current	8.74 A
NEMA Nom. Eff.	91.7	Power Factor	90	Line-line Res. @ 25°C	0.24052 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	69°C
S.F. Amps				Temp. Rise @ S.F. Load	85°C
				Locked-rotor Power Factor	23.2

Load Characteristics 460 V, 60 Hz, 30 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	67	83	88	90	90	90	90
Efficiency	87	91.3	92	91.7	90.9	89.7	91.2
Speed	3583	3565.7	3547.3	3526.7	3504.4	3479.1	3513
Line amperes	12.4	18.7	26.1	34.1	43.1	52.5	39.5

Performance Graph at 460V, 60Hz, 30.0HP Typical performance - Not guaranteed values





