

BALDOR® • RELIANCE

Product Information Packet

VEJMM3311T

7.5HP,1770RPM,3PH,60HZ,213JM,3734M,ODP,F

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3734M	Elec. Spec:	37WGS186	CD Diagram:	CD0005
Enclosure:	ODP	Mfg Plant:		Mech. Spec:	37N905	Layout:	37LYN905
Frame:	213JM	Mounting:	F1	Poles:	04	Created Date:	07-18-2016
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	01-19-2017
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1259L

CAT.NO.	VEJMM3311T										
SPEC.	37N905S186G1										
HP	7.5										
VOLTS	230/460										
AMP	19.2/9.6										
RPM	1770										
FRAME	213JM					HZ	60		PH		3
SER.F.	1.15			CODE	J	DES	A		CL	F	
NEMA-NOM-EFF	91.7			PF	79						
RATING	40C AMB-CONT										
CC	010A					USABLE AT 208V					21
DE	6309					ODE	6206				
ENCL	ODP			SN							

AC Induction Motor Performance Data

Record # 58175 - Typical performance - not guaranteed values

Winding: 37WGS186-R014	Type: 3734M	Enclosure: ODP
-------------------------------	--------------------	-----------------------

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	22.4 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	19.2/9.6			Breakdown Torque	77.9 LB-FT
R.P.M.	1770			Pull-up Torque	38.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	46.1 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	71.8 A
Service Factor (S.F.)	1.15			No-load Current	4.88 A
NEMA Nom. Eff.	91.7	Power Factor	79	Line-line Res. @ 25°C	1.41 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	36°C
S.F. Amps				Temp. Rise @ S.F. Load	44°C
				Locked-rotor Power Factor	37.7
				Rotor inertia	0.836 LB-FT ²

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	61	72	78	81	83	81
Efficiency	85.4	90.4	91.7	91.5	90.7	89.8	91.7
Speed	1792	1785	1778	1769	1760	1749	1767
Line amperes	5.29	6.46	7.98	9.86	11.9	14.1	10.8

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values





