

BALDOR® • RELIANCE

Product Information Packet

EM3219T

7.5HP,3450RPM,3PH,60HZ,184T,3632M,OPSB,F

Part Detail							
Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3632M	Elec. Spec:	36WGS516	CD Diagram:	CD0005
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	36G548	Layout:	36LYG548
Frame:	184T	Mounting:	F1	Poles:	02	Created Date:	05-27-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-09-2016
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3553L

CAT.NO.	EM3219T											
SPEC.	36G548S516											
HP	7.5											
VOLTS	230/460											
AMP	17.2/8.6											
RPM	3450											
FRAME	184T					HZ	60			PH	3	
SER.F.	1.15			CODE	L		DES	A		CL	F	
NEMA-NOM-EFF	88.5			PF	89							
RATING	40C AMB-CONT											
CC	010A								USABLE AT 208V	18		
DE	6206								ODE	6205		
ENCL	OPSB				SN							
VPWM INVERTER READY												
CT30-60(2:1) VT3-60(20:1)												

AC Induction Motor Performance Data

Record # 51132 - Typical performance - not guaranteed values

Winding: 36WGS516-R012	Type: 3632M	Enclosure: ODP
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	11.3 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	17.2/8.6			Breakdown Torque	55.2 LB-FT
R.P.M.	3450			Pull-up Torque	37 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	42.6 LB-FT
NEMA Design Code	A	KVA Code	L	Starting Current	86.3 A
Service Factor (S.F.)	1.15			No-load Current	3.02 A
NEMA Nom. Eff.	88.5	Power Factor	89	Line-line Res. @ 25°C	1.59 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	43°C
S.F. Amps				Temp. Rise @ S.F. Load	53°C
				Locked-rotor Power Factor	47.4
				Rotor inertia	0.143 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	57	80	87	91	93	93	92
Efficiency	82.2	88.2	89.5	89.4	88.4	86.4	88.8
Speed	3572	3543	3513	3479	3443	3404	3457
Line amperes	3.68	4.98	6.72	8.63	10.7	13.1	9.87

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





