

BALDOR® • RELIANCE

Product Information Packet

EM2334T

20HP,1765RPM,3PH,60HZ,256T,0952M,TEFC,F1

Part Detail							
Revision:	AR	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0952M	Elec. Spec:	09WGY583	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	09P11	Layout:	09LYP011
Frame:	256T	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-26-2017
Leads:	9#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3441LUA

CAT.NO.	EM2334T													
SPEC.	09P011Y583G1													
HP	20													
VOLTS	230/460													
AMP	48/24													
RPM	1765													
FRAME	256T					HZ		60					PH	3
SER.F.	1.15			CODE	H	DES			A	CL			F	
NEMA-NOM-EFF	93				PF	84								
RATING	40C AMB-CONT													
CC	010A				USABLE AT 208V							51		
DE	6309				ODE		6208							
ENCL	TEFC			SN										

 VPWM INVERTER READY
 CT6-60H(10:1)VT3-60H(20:1)

50Hz 20HP 190/380V 56/28A

SF1.0

AC Induction Motor Performance Data

Record # 2056 - Typical performance - not guaranteed values

Winding: 09WGY583-R001	Type: 0952M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	20			Full Load Torque	59 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	48/24			Breakdown Torque	213 LB-FT
R.P.M.	1765			Pull-up Torque	85.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	121 LB-FT
NEMA Design Code	A	KVA Code	H	Starting Current	175 A
Service Factor (S.F.)	1.15			No-load Current	9.41 A
NEMA Nom. Eff.	93	Power Factor	84	Line-line Res. @ 25°C	0.426 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	60°C
S.F. Amps				Temp. Rise @ S.F. Load	74°C
				Locked-rotor Power Factor	32.9
				Rotor inertia	2.27 LB-FT ²

Load Characteristics 460 V, 60 Hz, 20 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	46	69	80	84	86	87	85
Efficiency	89	92.8	93.1	93	92.2	91.1	92.5
Speed	1791	1783	1770	1766	1756	1745	1760
Line amperes	10.7	14	19.1	23.7	29.1	35.4	26.94

Performance Graph at 460V, 60Hz, 20.0HP Typical performance - Not guaranteed values





