

BALDOR® • RELIANCE

Product Information Packet

CEWDM23934T

20HP,1765RPM,3PH,60HZ,256TC,3952M,TEFC

Part Detail							
Revision:	AH	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3952M	Elec. Spec:	39WGW766	CD Diagram:	CD0180
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	39R098	Layout:	39LYR098
Frame:	256TC	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-04-2017
Leads:	9#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1669E

CAT.NO.	CEWDM23934T				
SPEC.	39R098W766G1				
HP	20				
VOLTS	230/460				
AMP	48/24				
RPM	1765				
FRAME	256TC	HZ	60	PH	3
SER.F.	1.15	CODE	H	DES	B
NEMA-NOM-EFF	93	PF	84	CLASS	F
RATING	40C AMB-CONT				
CC	010A	USABLE AT 208V			52
DE	6309	ODE	6208		
ENCL	TEFC	SN			
BLANK					

AC Induction Motor Performance Data

Record # 32188 - Typical performance - not guaranteed values

Winding: 39WGW766-R006	Type: 3952M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	20			Full Load Torque	60 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	52-48/24			Breakdown Torque	183 LB-FT
R.P.M.	1765			Pull-up Torque	79 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	120 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	171 A
Service Factor (S.F.)	1.15			No-load Current	8.5 A
NEMA Nom. Eff.	93	Power Factor	84	Line-line Res. @ 25°C	0.4083 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	70°C
S.F. Amps				Temp. Rise @ S.F. Load	84°C
				Locked-rotor Power Factor	33
				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	45	67	79	84	86	87	85
Efficiency	89.6	92.9	93.5	93.2	92.5	91.6	92.8
Speed	1791	1784	1776	1767	1758	1748	1762
Line amperes	10.17	13.79	18.39	23.89	28.78	34.6	26.82

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





