

BALDOR® • RELIANCE

Product Information Packet

IDCSWDM3714T

10HP,1770RPM,3PH,60HZ,215TC,3756M,TEFC,F

Part Detail							
Revision:	W	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGT857	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:	37H885	Layout:	37LYH885	Poles:	04	Created Date:	10-25-2006
Base:	RG	Eff. Date:	01-19-2017	Leads:	9#14		

Specs			
Catalog Number:	IDCSWDM3714T	Insulation Class:	H
Enclosure:	TEFC	Inverter Code:	Inverter Duty
Frame:	215TC	KVA Code:	K
Frame Material:	Stainless Steel	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	10.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 14 AWG
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3756M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	81
	CSA	Product Family:	Wash Down Paint Free
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	12.500 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding

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

Nameplate NP1608L

CAT NO	IDCSWDM3714T									
SPEC.	37H885T857G1									
FRAME	215TC				HP	10	TE			
VOLTS	230/460									
MAG CUR	11/5.5					FLA	25/12.5			
RPM	1770				RPM MAX	6000				
HZ	60			PH	3	CLASS	H			
SER.F.	1.00			DES	B	SL HZ	1			
NEMA-NOM-EFF	92.4			WK2	1.38					
BLWR V			PH		HZ		A			
RATING	40C AMB-CONT									
DE BRG	6307			ODE BRG	6206					
CC	010A		SN							

AC Induction Motor Performance Data

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AC Induction Motor Performance Data
 Record # 37139
 Typical performance - not guaranteed values

Winding: 37WGT857	Type: 3756M	Enclosure: TEFC
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Nameplate Data			General Characteristics at 460 V, 60 Hz: High Volt Connection				
Rated Output (HP)	10		Full Load Torque	29.9 LB-FT			
Volts	230/460		Start Configuration	DOL			
Full Load Amps	25/12.5		Break Down Torque	102 LB-FT			
R.P.M.	1770		Pull-Up Torque	53.6 LB-FT			
Hz	60	Phase	Locked-rotor Torque	74.2 LB-FT			
NEMA Design Code	B	KVA Code	Starting Current	105 Amps			
Service Factor	1		No-load Current	5.44 Amps			
NEMA Nom. Eff.	92.4	P.F.	Line-line Res. @ 25°C.	0.799 Ohms			
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	76°C			
S.F. Amps			Temp. Rise @ S.F. Load				

Load Characteristics at 460 Volts, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	65	76	81	83	84	
Efficiency	88	92.6	93.3	93	92.4	91.5	
Speed	1793	1786	1778	1770	1762	1752	
Line Amperes	6.18	7.79	10	12.5	15.3	18.3	

Baldor Electric Company Fort Smith, Arkansas



3/6/2013





