

ABB BALDOR RELIANCE III

Customer information packet

CFSWDM3711T-E

10HP, 3500RPM, 3PH, 60HZ, 215TC, 3744M, TEFC, F

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	215TC
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV NEMA PREMIUM UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	23.000 A @ 208.0 V 21.200 A @ 230.0 V 10.600 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part Detail

Revision	U
Type	AC
Mech. spec.	37Q242
Base	
Status	PRD/A
Elec. spec.	37WGS137
Layout	37LYQ242
Eff. date	07-06-2026
CD Diagram	CD0005
Poles	02
Leads	9#14
Proprietary	False
Created date	08-02-2017

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	10.6 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	L
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3744M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	20.68 IN
Power Factor	94
Product Family	WD All SS Encapsulated
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3500 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

[illegible]

AC Induction Motor Performance Data

Record # 57389

Typical performance - not guaranteed values

Winding: 37WGS137-R011			Type: 3744M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		10	Full Load Torque		15 LB-FT	
Volts		230/460	Start Configuration		direct on line	
Full Load Amps		21.2/10.6	Breakdown Torque		89.4 LB-FT	
R.P.M.		3500	Pull-up Torque		39 LB-FT	
Hz	60 Phase	3	Locked-rotor Torque		46.5 LB-FT	
NEMA Design Code		A	KVA Code		L	
Service Factor (S.F.)		1.15	Starting Current		124 A	
NEMA Nom. Eff.		91	Power Factor		94	
Rating - Duty		40C AMB-CONT	Line-line Res. @ 25°C		0.659 Ω	
S.F. Amps		26/13	Temp. Rise @ Rated Load		67°C	
			Temp. Rise @ S.F. Load		82°C	
			Locked-rotor Power Factor		31.5	
			Rotor inertia		0.402 lb-ft²	

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	77	86	91	91	92	91
Efficiency	81.8	88.7	90.2	91	90.1	89.7	90.5
Speed	3579	3557	3535	3510	3486	3459	3496
Line amperes	4.99	6.82	8.93	11.3	14.2	17	13

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WINDING # 37WGS137

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 3500 RPM 460 V 3744M

TORQUES (LB-FT): PO=89.4 PU=39 LR=46.5 LRA=124





