

ABB BALDOR RELIANCE III

Customer information packet

GDL3774T

10HP, 1740RPM, 1PH, 60HZ, 215TZ, 0748LC, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	215TZ
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	10.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	UR CSA
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	38.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	38.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	L
Type	AC
Mech. spec.	07N243
Base	
Status	PRD/A
Elec. spec.	07WGY838
Layout	07LYN243
Eff. date	01-02-2025
CD Diagram	CD1084
Poles	04
Leads	2#10 A PH,2#14 B PH
Proprietary	False
Created date	03-18-2015

KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Cap Box
Motor Lead Quantity/Wire Size	2 @ 10 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0748LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.45 IN
Power Factor	98
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1740 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1279L									
CAT.NO.	GDL3774T								
SPEC.	07N243Y838G1								
HP	10								
VOLTS	230								
AMP	38								
RPM	1740								
FRAME	215TZ		HZ	60		PH		1	
SER.F.	1.00		CODE	F		DES	L	CL	F
NEMA-NOM-EFF	86.5		PF	98					
RATING	40C AMB-CONT								
CC									
DE	6307		ODE	6206					
ENCL	TEFC		SN						

AC Induction Motor Performance Data

Record # 49698

Typical performance - not guaranteed values

Winding: 07WGY838-R002				Type: 0748LC		Enclosure: TEFC	
Nameplate Data				230 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		10		Full Load Torque		30.1 LB-FT	
Volts		230		Start Configuration		direct on line	
Full Load Amps		38		Breakdown Torque		78.7 LB-FT	
R.P.M.		1740		Pull-up Torque		58 LB-FT	
Hz		60		Phase		1	
NEMA Design Code		L		KVA Code		F	
Service Factor (S.F.)		1		No-load Current		4.37 A	
NEMA Nom. Eff.		86.5		Power Factor		98	
				Line-line Res. @ 25°C		0.17698 Ω A Ph 0.45276 Ω B Ph	
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load	

Load Characteristics 230 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	96	98	98	98	97	95
Efficiency	78.6	87.7	89	87.6	84.6	79.3
Speed	1786.1	1772.1	1757.4	1741.3	1718	1684.7
Line amperes	10.7	18.9	28	37.7	49.1	64.9

ABB Motors and Mechanical Inc.

WINDING # 07WGY838

Typical performance - not guaranteed values.

10 HP 1 PH 60 HZ 1740 RPM 230 V 0748LC

TORQUES (LB-FT): PO=78.7 PU=58 LR=78.1 LRA=232





