

ABB BALDOR RELIANCE III

Customer information packet

ASM7515

15HP, 3450RPM, 3PH, 60HZ, 7544M, TEFC, F1

Specifications

Enclosure	TEFC
Frame Material	Iron
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ 208.0 V @ 60 HZ
Agency Approvals	CCSA US CE CSA CSA EEV UL 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	34.500 A @ 208.0 V 33.000 A @ 230.0 V 16.500 A @ 460.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	30 MIN
Efficiency @ 100% Load	85.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part Detail

Revision	AA
Type	AC
Mech. spec.	7-2000
Base	
Status	NLA/A
Elec. spec.	07WG5028
Layout	07LY2000
Eff. date	03-10-2022
CD Diagram	CD0005
Poles	02
Leads	9#14
Proprietary	False
Created date	01-01-0001

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	16.5 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No 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	Other
Motor Type	7544M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.33 IN
Power Factor	95
Product Family	Arbor Saw
Pulley End Bearing Type	Double Row Angular Contact
Pulley Face Code	Standard
Pulley Shaft Indicator	Key Only (When Non-STD)
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	1.750 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 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

Nameplate

NP1264L										
CAT.NO.										
SPEC.	7-2000-5028									
HP	15 SAW DUTY									
VOLTS	208-230/460									
AMP	34.5-33/16.5									
RPM	3450									
FRAME				HZ	60			PH	3	
SER.F.	1.00	CODE	J	DES	-	CL	F			
NEMA-NOM-EFF	85.5	PF	95							
RATING	40C AMB-INT. DUTY 30 MIN									
CC										
DE	5211	ODE	6206							
ENCL	TEFC	SN								

AC Induction Motor Performance Data

Record # 49421

Typical performance - not guaranteed values

Winding: 07WG5028-R004			Type: 7544M		Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		15 SAW DUTY	Full Load Torque		22.7 LB-FT			
Volts		208-230/460	Start Configuration		direct on line			
Full Load Amps		34.5-33/16.5	Breakdown Torque		125 LB-FT			
R.P.M.		3450	Pull-up Torque		43 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		67.5 LB-FT		
NEMA Design Code		-	KVA Code	J	Starting Current		143 A	
Service Factor (S.F.)		1		No-load Current		3.33 A		
NEMA Nom. Eff.		85.5	Power Factor		95	Line-line Res. @ 25°C		1.0032 Ω
Rating - Duty		40C AMB-30 MIN		Temp. Rise @ Rated Load		93°C		
				Locked-rotor Power Factor		41		
				Rotor inertia		0.41 LB-FT2		

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	78	91	94	96	96	96
Efficiency	83.5	87.8	87.7	86.2	84.2	81.4
Speed	3567	3537	3500	3461	3421	3369
Line amperes	5.31	8.58	12.71	17.14	21.49	26.89

ABB Motors and Mechanical Inc.

WINDING # 07WG5028

Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 3450 RPM 460 V 7544M

TORQUES (LB-FT) : PO=125 PU=43 LR=67.5 LRA=143





