



## Product Information Packet

# KBM3458

.33HP,1725RPM,3PH,60HZ,56C,BRAKE,3416M

Part Detail							
Revision:	AD	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG0116	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	34K045	Layout:	34LYK045	Poles:	04	Created Date:	
Base:	N	Eff. Date:	10-01-2020	Leads:	9#18		

Specs			
Catalog Number:	KBM3458	Insulation Class:	B
Enclosure:	TENV	Inverter Code:	Not Inverter
Frame:	56C	KVA Code:	K
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Motor Letter Type:	Three Phase	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	.330 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3416M
	460.0 V @ 60 HZ	Mounting Arrangement:	F1
XP Class and Group:	None	Power Factor:	64
XP Division:	Not Applicable	Product Family:	General Purpose
Agency Approvals:	UR	Product Type:	BRAKE MOTOR
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	No Mounting	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT

<b>Blower:</b>	None	<b>Shaft Extension Location:</b>	Pulley End
<b>Current @ Voltage:</b>	.700 A @ 460.0 V	<b>Shaft Ground Indicator:</b>	No Shaft Grounding
	1.400 A @ 230.0 V	<b>Shaft Rotation:</b>	Reversible
	1.500 A @ 208.0 V	<b>Shaft Slinger Indicator:</b>	No Slinger
<b>Design Code:</b>	B	<b>Speed Code:</b>	Single Speed
<b>Drip Cover:</b>	No Drip Cover	<b>Motor Standards:</b>	NEMA
<b>Duty Rating:</b>	CONT	<b>Starting Method:</b>	Direct on line
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Thermal Device - Bearing:</b>	None
<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Winding:</b>	None
<b>Front Face Code:</b>	Brake Mounting	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Front Shaft Indicator:</b>	None	<b>Winding Thermal 1:</b>	None
<b>Heater Indicator:</b>	No Heater	<b>Winding Thermal 2:</b>	None

## Nameplate NP1256L

CAT.NO.	KBM3458											
SPEC.	34K45-116-B											
HP	.33											
VOLTS	208-230/460											
AMP	1.5-1.4/.7											
RPM	1725											
FRAME	56C				HZ		60			PH	3	
SER.F.	1.00		CODE		K	DES		B	CLASS		B	
NEMA-NOM-EFF	70			PF		64						
RATING	40C AMB-CONT											
CC					USABLE AT 208V							1.5
DE	6203				ODE		6203					
ENCL	TENV		SN									

**AC Induction Motor Performance Data**

Record # 6545

Typical performance - not guaranteed values

Winding: 34WG0116-R001			Type: 3416M		Enclosure: TENV		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		.33	Full Load Torque		1 LB-FT		
Volts		208-230/460	Start Configuration		direct on line		
Full Load Amps		1.5-1.4/.7	Breakdown Torque		4.9 LB-FT		
R.P.M.		1725	Pull-up Torque		3.35 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		3.75 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		4.3 A
Service Factor (S.F.)		1	No-load Current		0.54 A		
NEMA Nom. Eff.		70	Power Factor	64	Line-line Res. @ 25°C		39.4 Ω
Rating - Duty		40C	AMB-CONT	Temp. Rise @ Rated Load		60°C	

**Load Characteristics 460 V, 60 Hz, 0.33 HP**

% of Rated Load	25	50	75	100	125	150
Power Factor	28	41	52	61	68	73
Efficiency	50	65	72	75.5	77	77
Speed	1784	1771	1758	1744	1729	1713
Line amperes	0.55	0.58	0.62	0.67	0.73	0.81

Performance Graph at 460V, 60Hz, 0.33HP Typical performance - Not guaranteed values





