

<b>BALL BEARINGS FOR MOTORS OF HORIZONTAL MULTISTAGE PUMPS HM - HMS</b>						ST-BB / HM		Page 1/1	
						1st Issue: April 2009			
						Last Issue: Rev.			
<b>HORIZONTAL MULTISTAGE HM/HMS PUMPS 2 POLE , 2900 RPM</b>									
<b>MOTORS</b>					<b>BALL BEARINGS</b>				
					<b>ND END (fan side)</b>		<b>D END (adapter side)</b>		
CONSTRUCTION	SIZE	kW	HP	N. PHASES	BB TYPE	P/N	BB TYPE	P/N	
<b>SM</b>	63	0,30	0,40	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702	
	63	0,40	0,55	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702	
	71	0,55	0,75	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702	
	71	0,75	1,1	1/3	6202 DDU C3	002312702	6302 DDU C3	002312732	
	71	0,90	1,3	1/3	6204 DDU C3	002312708	6302 DDU C3	002312732	
	80	1,1	1,5	3	6204 DDU C3	002312708	6204 DDU C3	002312708	

<b>BALL BEARINGS FOR MOTORS OF PERIPHERAL PUMPS P - PR - PSA</b>						ST-BB / P		Page 1/1	
						1st Issue: April 2009			
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<b>PERIPHERAL P PUMPS 2 POLE , 2900 RPM</b>									
<b>MOTORS</b>					<b>BALL BEARINGS</b>				
					<b>ND END (fan side)</b>		<b>D END (adapter side)</b>		
CONSTRUCTION	SIZE	kW	HP	N. PHASES	BB TYPE	P/N	BB TYPE	P/N	
with FOOT <b>SM</b>	71	0,55	0,75	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702	
	71	0,75	1,1	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702	
	71	0,90	1,3	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702	
	80	1,1	1,5	1/3	6204 DDU C3	002312708	6204 DDU C3	002312708	
<b>PERIPHERAL PSA PUMPS 2 POLE , 2900 RPM</b>									
<b>MOTORS</b>					<b>BALL BEARINGS</b>				
					<b>ND END (fan side)</b>		<b>D END (adapter side)</b>		
CONSTRUCTION	SIZE	kW	HP	N. PHASES	BB TYPE	P/N	BB TYPE	P/N	
with FOOT <b>SM</b>	63	0,55	0,75	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702	
<b>PERIPHERAL PR PUMPS 2 POLE , 2900 RPM</b>									
<b>MOTORS</b>					<b>BALL BEARINGS</b>				
					<b>ND END (fan side)</b>		<b>D END (adapter side)</b>		
CONSTRUCTION	SIZE	kW	HP	N. PHASES	BB TYPE	P/N	BB TYPE	P/N	
with FOOT <b>SM</b>	71	0,75	1,1	3	6202 DDU C3	002312702	6202 DDU C3	002312702	
	71	0,90	1,3	3	6202 DDU C3	002312702	6202 DDU C3	002312702	
	80	1,1	1,5	3	6204 DDU C3	002312708	6204 DDU C3	002312708	
	80	2,2	3	3	6204 DDU C3	002312708	6204 DDU C3	002312708	

TECHN. NOTE.

Typical clearance C3

Temperature range for useful mineral grease : approx - 20 / +120 °C

Main Supplier -> BEARING NSK 6202 DDU C3

2nd Supplier -> BEARING SKF 6202 2RSH C3

<b>BALL BEARINGS FOR MOTORS OF SELF-PRIMING PUMPS BG - SP</b>	ST-BB / BG <span style="float: right;">Page 1/1</span>
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**SELF-PRIMING PUMPS BG PUMPS 2 POLE , 2900 RPM**

MOTORS					BALL BEARINGS			
					ND END (fan side)		D END (coupling side)	
CONSTRUCTION	SIZE	kW	HP	N. PHASES	BB TYPE	P/N	BB TYPE	P/N
<b>SM</b>	63	0,40	0,55	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702
	71	0,55	0,75	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702
	71	0,75	1,1	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702
	71	0,90	1,3	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702
	80	1,1	1,5	1/3	6204 DDU C3	002312708	6204 DDU C3	002312708
	80	1,5	2	1/3	6204 DDU C3	002312708	6204 DDU C3	002312708

**SELF-PRIMING BG GARDEN PUMPS 2 POLE , 2900 RPM**

MOTORS					BALL BEARINGS			
					ND END (fan side)		D END (coupling side)	
CONSTRUCTION	SIZE	kW	HP	N. PHASES	BB TYPE	P/N	BB TYPE	P/N
<b>SM</b>	63	0,40	0,55	1	6202 DDU C3	002312702	6202 DDU C3	002312702
	71	0,55	0,75	1	6202 DDU C3	002312702	6202 DDU C3	002312702
	71	0,75	1,1	1	6202 DDU C3	002312702	6202 DDU C3	002312702
	71	0,90	1,3	1	6202 DDU C3	002312702	6202 DDU C3	002312702
	80	1,1	1,5	1	6204 DDU C3	002312708	6204 DDU C3	002312708

**SELF-PRIMING SP PUMPS 2 POLE , 2900 RPM**

MOTORS					BALL BEARINGS				
					ND END (fan side)		D END (coupling side)		
CONSTRUCTION	SIZE	kW	HP	N. PHASES	BB TYPE	P/N	BB TYPE	P/N	
with FOOT	<b>SM</b>	71	0,55	0,75	1	6202 DDU C3	002312702	6202 DDU C3	002312702
		71	0,75	1,1	1	6202 DDU C3	002312702	6202 DDU C3	002312702

TECHN. NOTE.  
 Typical clearance C3  
 Temperature range for useful mineral grease : approx - 20 / +120 °C

Main Supplier ->	BEARING NSK 6202 DDU C3
2nd Supplier ->	BEARING SKF 6202 2RSH C3

<b>BALL BEARINGS FOR MOTORS OF DOUBLE IMPELLERS CA PUMPS</b>	ST-BB / CA (/B) <span style="float: right;">Page 1/1</span>
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**CA PUMPS 2 POLE , 2900 RPM**

MOTORS					BALL BEARINGS				
CONSTRUCTION	SIZE	kW	HP	N. PHASES	ND END (fan side)		D END (coupling side)		
					BB TYPE	P/N	BB TYPE	P/N	
with FOOT	<b>SM</b>	71	0,75	1,1	1/3	6202 DDU C3	002312702	6203 DDU C3	002312707
		71	0,90	1,3	1/3	6202 DDU C3	002312702	6203 DDU C3	002312707
		80	1,1	1,5	1/3	6204 DDU C3	002312708	6204 DDU C3	002312708
	<b>PLM</b>	80	1,5	2	1/3	6204 DDU C3	002312708	6204 DDU C3	002312708
		80	1,85	2,5	3	6204 DDU C3	002312708	6204 DDU C3	002312708
		90	2,2	3	1/3	6203 ZZ C3	572310206	6305 ZZ C3	572310310
		90	3,0	4	3	6203 ZZ C3	572310206	6305 ZZ C3	572310310

**CA PUMPS 4 POLE , 1450 RPM**

MOTORS					BALL BEARINGS				
CONSTRUCTION	SIZE	kW	HP	N. PHASES	ND END (fan side)		D END (coupling side)		
					BB TYPE	P/N	BB TYPE	P/N	
with FOOT	<b>SM4</b>	71	0,40	0,55	3	6202 2RSHC3	002312702	6203 DDU C3	002312707

<b>BALL BEARINGS FOR MOTORS OF DOUBLE IMPELLERS 2FHE PUMPS</b>	ST-BB / 2FHE <span style="float: right;">Page 1/1</span>
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**2FHE PUMPS 2 POLE , 2900 RPM**

MOTORS					BALL BEARINGS				
CONSTRUCTION	SIZE	kW	HP	N. PHASES	ND END (fan side)		D END (coupling side)		
					BB TYPE	P/N	BB TYPE	P/N	
	<b>PLM</b>	112	1,5	2	1/3	6203 ZZ C3	572310206	6305 ZZ C3	572310310
		132	2,2	3	3	6203 ZZ C3	572310206	6305 ZZ C3	572310310

**2FHE PUMPS 4 POLE , 1450 RPM**

MOTORS					BALL BEARINGS				
CONSTRUCTION	SIZE	kW	HP	N. PHASES	ND END (fan side)		D END (coupling side)		
					BB TYPE	P/N	BB TYPE	P/N	
	<b>PLM4</b>	90	1,1	1,5	3	6203 ZZ C3	572310206	6206 ZZ C3	572310212

TECHN. NOTE.  
 Typical clearance C3  
 Temperature range for useful mineral grease : approx - 20 / +120 °C

Main Supplier -> BEARING NSK 6202 DDU C3  
 2nd Supplier -> BEARING SKF 6202 2RSH C3

<b>BALL BEARINGS FOR MOTORS OF SINGLE IMPELLER CEA PUMPS</b>						ST-BB / CEA		Page 1/1	
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<b>SINGLE IMPELLER PUMPS CEA 2 POLE , 2900 RPM</b>									
<b>MOTORS</b>					<b>BALL BEARINGS</b>				
					<b>ND END (fan side)</b>		<b>D END (coupling side)</b>		
CONSTRUCTION	SIZE	kW	HP	N. PHASES	BB TYPE	P/N	BB TYPE	P/N	
<b>SM</b>	63	0,40	0,55	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702	
	71	0,55	0,75	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702	
	71	0,75	1,1	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702	
	71	0,90	1,3	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702	
	80	1,1	1,5	1/3	6204 DDU C3	002312708	6204 DDU C3	002312708	
	80	1,5	2	1/3	6204 DDU C3	002312708	6204 DDU C3	002312708	
	80	2,2	3	3	6204 DDU C3	002312708	6204 DDU C3	002312708	
<b>PLM</b>	90	2,2	3	1/3	6203 ZZ C3	572310206	6305 ZZ C3	572310310	
	90	3,0	4	3	6203 ZZ C3	572310206	6305 ZZ C3	572310310	
<b>SINGLE IMPELLER PUMPS CEA 4 POLE , 1450 RPM</b>									
<b>MOTORS</b>					<b>BALL BEARINGS</b>				
					<b>ND END (fan side)</b>		<b>D END (coupling side)</b>		
CONSTRUCTION	SIZE	kW	HP	N. PHASES	BB TYPE	P/N	BB TYPE	P/N	
<b>SM4</b>	71	0,25	0,34	3	6202 2RSHC3	002312702	6202 2RSHC3	002312702	
	71	0,40	0,55	3	6202 2RSHC3	002312702	6202 2RSHC3	002312702	
TECHN. NOTE. Typical clearance C3 Temperature range for useful mineral grease : approx - 20 / +120 °C					Main Supplier -> BEARING NSK 6202 DDU C3 2nd Supplier -> BEARING SKF 6202 2RSH C3				

**BALL BEARINGS FOR MOTORS OF SINGLE IMPELLER C PUMPS  
 CO - CIE**

**SINGLE IMPELLER PUMPS CO 2 POLE , 2900 RPM**

MOTORS							BALL BEARINGS			
CONSTRUCTION	SIZE	KW	HP	N. PHASES	ND END (fan side)		D END (coupling side)			
					BB TYPE	P/N	BB TYPE	P/N		
SM	63	0,40	0,55	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702		
	71	0,55	0,75	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702		
	71	0,75	1,1	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702		
	71	0,90	1,3	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702		
	80	1,1	1,5	1/3	6204 DDU C3	002312708	6204 DDU C3	002312708		
	80	1,5	2	1/3	6204 DDU C3	002312708	6204 DDU C3	002312708		
	80	2,2	3	3	6204 DDU C3	002312708	6204 DDU C3	002312708		

**SINGLE IMPELLER PUMPS CO 4 POLE , 1450 RPM**

MOTORS							BALL BEARINGS			
CONSTRUCTION	SIZE	KW	HP	N. PHASES	ND END (fan side)		D END (coupling side)			
					BB TYPE	P/N	BB TYPE	P/N		
SM4	71	0,25	0,34	3	6202 2RSHC3	002312702	6202 2RSHC3	002312702		
	71	0,40	0,55	3	6202 2RSHC3	002312702	6202 2RSHC3	002312702		

**SINGLE IMPELLER PUMPS CIE 2 POLE , 2900 RPM**

MOTORS							BALL BEARINGS			
CONSTRUCTION	SIZE	KW	HP	N. PHASES	ND END (fan side)		D END (coupling side)			
					BB TYPE	P/N	BB TYPE	P/N		
SM	71	0,55	0,75	1/3	6202 DDU C3	002312702	6302 DDU C3	002312732		
	71	0,75	1,1	1/3	6202 DDU C3	002312702	6302 DDU C3	002312732		
	71	0,90	1,3	1/3	6202 DDU C3	002312702	6302 DDU C3	002312732		
	80	1,1	1,5	1/3	6204 DDU C3	002312708	6304 DDU C3	002312734		
	80	1,5	2	1/3	6204 DDU C3	002312708	6304 DDU C3	002312734		
	80	2,2	3	1/3	6204 DDU C3	002312708	6304 DDU C3	002312734		

**SINGLE IMPELLER PUMPS CIE 4 POLE , 1450 RPM**

MOTORS							BALL BEARINGS			
CONSTRUCTION	SIZE	KW	HP	N. PHASES	ND END (fan side)		D END (coupling side)			
					BB TYPE	P/N	BB TYPE	P/N		
SM4	71	0,25	0,34	3	6202 DDU C3	002312702	6302 DDU C3	002312732		
	71	0,40	0,55	3	6202 DDU C3	002312702	6302 DDU C3	002312732		

TECHN. NOTE.  
 Typical clearance C3  
 Temperature range for useful mineral grease : approx - 20 / +120 °C

Main Supplier -> BEARING NSK 6202 DDU C3  
 2nd Supplier -> BEARING SKF 6202 2RSH C3

P/N	Desc NSK/Lowara	Desc SKF/Lowara	MOT
002310906	-	BEARINGS 7206 BEP	2FHE2
002312702	BEARING 6202 DDUC3E D A72SJ	BEARING 6202 2RSH/C3-WT	SM
002312707	BEARING 6203 DDUC3E D A72S6	BEARING 6203 2RSH/C3-WT	SM
002312708	BEARING 6204 DDUC3E D A72SJ	BEARING 6204 2RSH/C3-WT	SM
002312709	BEARING 6205 DDUC3E D A72SV	BEARING 6205 2RSH/C3-WT	SM
002312732	BEARING 6302 DDUC3E A72SJ	BEARING 6302 2RSH/C3-WT	SM
002312734	BEARING 6304 DDUC3E A72SJ	BEARING 6304 2RSH/C3-WT	SM
002314005	-	BEARING 6205 2Z/C3-WT	CA2, CEA2, 2FHE4
002314006	-	BEARING 6206 2Z/C3-WT	2FHE2, 2FHE4
002314105	BEARING 6305-ZZ C3 A72SJ-	BEARING 6305-2Z/C3WT	CA2

P/N	Desc NSK/Lowara	Desc SKF	MOT
572310206	BEARING 6203 2Z/C3 A72	BEARING 6203 2Z/C3	PLM
572310310	BEARING 6305 2Z/C3 A72	BEARING 6305 2Z/C3	PLM

= LM Motors

2FHE2	2FHE 5,5-7,5 kW
2FHE4	2FHE4 1,1 kW
CA2	CA 2,2 - 3 kW
CEA2	CA 2,2 - 3 kW

REF. NSK MOTION & CONTROLS NSK  
According - MAINLY - Japanese Industrial Standard

Rolling Bearings  
Rolling bearings - Designation

CAT. No. E1102f  
JIS B 1513: 1995

Rolling Contact Ball Bearing Lubricants  
Lithium-based mineral oil greases added PTFE (Teflon-R) with consistency NLGI grade 0  
(for ex. Polymer 400/0, Tec nolube -R)