

BALL BEARINGS FOR MOTORS OF HORIZONTAL MULTISTAGE PUMPS HM - HMS						ST-BB / HM		Page 1/1	
						1st Issue: April 2009			
						Last Issue: Rev.			
HORIZONTAL MULTISTAGE HM/HMS PUMPS 2 POLE , 2900 RPM									
MOTORS					BALL BEARINGS				
					ND END (fan side)		D END (adapter side)		
CONSTRUCTION	SIZE	KW	HP	N. PHASES	BB TYPE	P/N	BB TYPE	P/N	
	SM	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

BALL BEARINGS FOR MOTORS OF PERIPHERAL PUMPS P - PR - PSA						ST-BB / P		Page 1/1	
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PERIPHERAL P PUMPS 2 POLE , 2900 RPM									
MOTORS					BALL BEARINGS				
					ND END (fan side)		D END (adapter side)		
CONSTRUCTION	SIZE	KW	HP	N. PHASES	BB TYPE	P/N	BB TYPE	P/N	
with FOOT	SM	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
PERIPHERAL PSA PUMPS 2 POLE , 2900 RPM									
MOTORS					BALL BEARINGS				
					ND END (fan side)		D END (adapter side)		
CONSTRUCTION	SIZE	KW	HP	N. PHASES	BB TYPE	P/N	BB TYPE	P/N	
with FOOT	SM	63	0,55	0,75	1/3	6202 DDU C3	002312702	6202 DDU C3	002312702
PERIPHERAL PR PUMPS 2 POLE , 2900 RPM									
MOTORS					BALL BEARINGS				
					ND END (fan side)		D END (adapter side)		
CONSTRUCTION	SIZE	KW	HP	N. PHASES	BB TYPE	P/N	BB TYPE	P/N	
with FOOT	SM	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



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**BALL BEARINGS FOR MOTORS OF SELF-PRIMING PUMPS
BG - SP**

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SELF-PRIMING PUMPS BG 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
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

SELF-PRIMING BG GARDEN 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
SM	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				
CONSTRUCTION	SIZE	kW	HP	N. PHASES	ND END (fan side)		D END (coupling side)		
					BB TYPE	P/N	BB TYPE	P/N	
with FOOT	SM	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



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BALL BEARINGS FOR MOTORS OF DOUBLE IMPELLERS CA PUMPS	ST-BB / CA (/B) Page 1/1
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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	SM	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
		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
	PLM	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	SM4	71	0,40	0,55	3	6202 2RSHC3	002312702	6203 DDU C3	002312707

BALL BEARINGS FOR MOTORS OF DOUBLE IMPELLERS 2FHE PUMPS	ST-BB / 2FHE Page 1/1
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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	
	PLM	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	
	PLM4	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
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BALL BEARINGS FOR MOTORS OF SINGLE IMPELLER CEA PUMPS

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SINGLE IMPELLER PUMPS CEA 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
PLM	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

SINGLE IMPELLER PUMPS CEA 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

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



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BALL BEARINGS FOR MOTORS OF SINGLE IMPELLER C PUMPS CO - CIE	ST-BB / CO-CIE Page 1/1
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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

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

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BALL BEARINGS LIST FOR TEFC MOTORS BUILT IN PUMPS

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P/N	Desc NSK/Lowara
002310906	-
002312702	BEARING 6202 DDUC3E D A72SJ
002312707	BEARING 6203 DDUC3E D A72S6
002312708	BEARING 6204 DDUC3E D A72SJ
002312709	BEARING 6205 DDUC3E D A72SV
002312732	BEARING 6302 DDUC3E A72SJ
002312734	BEARING 6304 DDUC3E A72SJ
002314005	-
002314006	-
002314105	BEARING 6305-ZZ C3 A72SJ-

Desc SKF/Lowara
BEARINGS 7206 BEP
BEARING 6202 2RSH/C3-WT
BEARING 6203 2RSH/C3-WT
BEARING 6204 2RSH/C3-WT
BEARING 6205 2RSH/C3-WT
BEARING 6302 2RSH/C3-WT
BEARING 6304 2RSH/C3-WT
BEARING 6205 2Z/C3-WT
BEARING 6206 2Z/C3-WT
BEARING 6305-2Z/C3WT

MOT
2FHE2
SM
SM
SM
SM
SM
SM
CA2, CEA2, 2FHE4
2FHE2, 2FHE4
CA2

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

Desc SKF
BEARING 6203 2Z/C3
BEARING 6305 2Z/C3

MOT
PLM
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 C
(for ex. Polymer 400/0, TecnoLube -R)