

**QUASER**

***we cut faster***

# SPINDLE SERIES

A technical line drawing of a spindle, showing its cylindrical body, flanges, and various mounting points, rendered in a light brown color against a darker brown background.

# QUASER





# New spindle code

## Machining Center Spindle Code Mill-Turn Machining Center Spindle Code

Manufacture	Transmission	Tooling type	Spindle version	Lubrication
M	C	4	0	R

M	Japan	B	Belt	4	ISO-40 or HSK A63 or HSK T63	0	Version	Blank	Grease packed
						1		R	Re-grease
S	Taiwan	C	Coupling	5	ISO-50	2		A	Oil Air
						3			
R	Taiwan	M	Built-in (motor)			4			
						5			
A	Taiwan	T	Milling / Turning			6			
						7			
H	Europe					8			
						9			

	Transmission	Existing code	New code	Max. rpm	ISO	HSK
#40	Belt	GB-4.1	AB-4.0	12,000	●	×
		GB-4.1R	MB-4.0	12,000	●	×
	Coupling	SC-4.1	SC-4.2	12,000	●	×
		GC-4.0R	MC-4.1R	15,000	●	○
		-	MC-4.0R	20,000	●	○
		MC-4.2	MT-4.0	12,000	×	●
		MC-4.3R	MT-4.0R	15,000	×	●
	Built-in	-	RM-4.0A	12,000	●	○
		-	HM-4.0	12,000	●	×
		-	HM-4.2A	18,000	●	○

#50	Belt	GB-5.0	SB-5.0	6,000	●	×
		GB-5.0R	SB-5.0A	7,500	●	×
		GB-5.1R	SB-5.1A	7,500	●	×
	Coupling	-	SC-5.0	6,000	●	×
		RC-5.0A	RC-5.0A	10,000	●	×
		MC-5.0A	MC-5.0A	15,000	●	×



# Spindle Lubrication

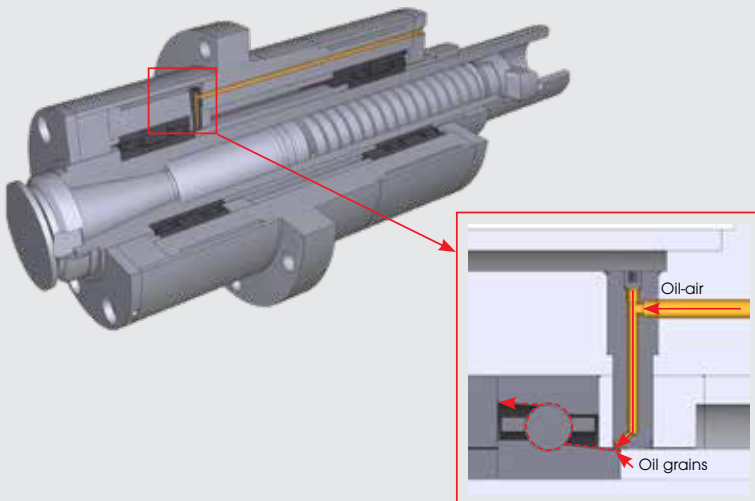


- Double contact spindle nose (BBT) as standard
- Standard on all models

## Oil-Air system



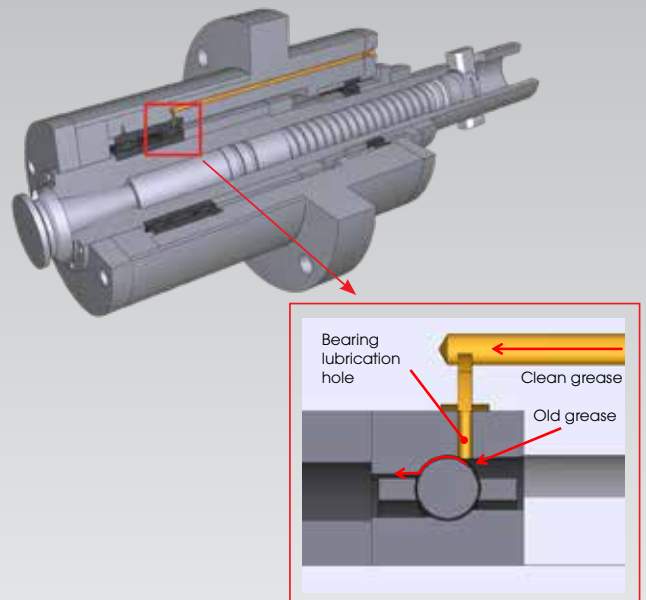
Oil-Air lubrication system realizes stable operation on high speed rotation with large diameter spindles by utilizing compressed air to supply very little oil intermittently to the bearings .



## Re-Grease system



Grease supply system is designed to be stable and eco-friendly by supplying new grease intermittently to the bearing during the high speed rotation.



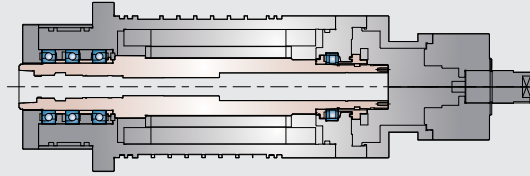
# 40 Taper

## Built-in



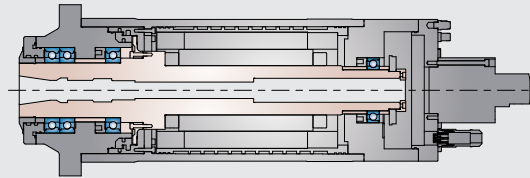
### RM-4.0A

- 12,000 min<sup>-1</sup>



### HM-4.0 / HM4.0A

- 12,000 min<sup>-1</sup> / 18,000min<sup>-1</sup>

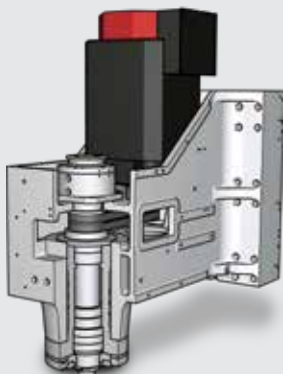
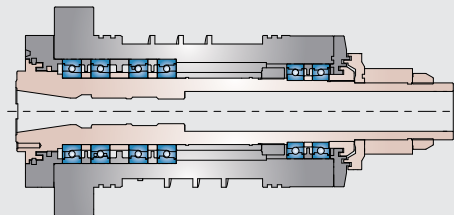


## Belt spindle



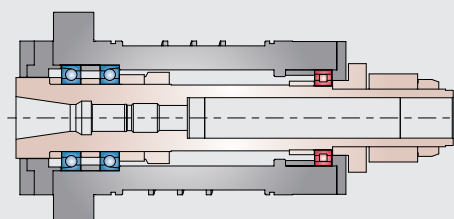
### AB-4.0

- 8,000 min<sup>-1</sup> ~ 12,000min<sup>-1</sup>



### MB-4.0

- 9,000 min<sup>-1</sup> ~ 12,000 min<sup>-1</sup>



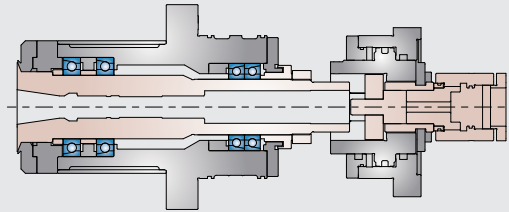
Note:  
■=Ball bearing  
■=Roller bearing

## Coupling spindle



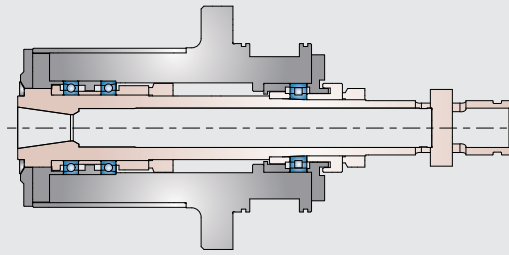
### SC-4.2

- 10,000 min<sup>-1</sup> ~ 12,000 min<sup>-1</sup>



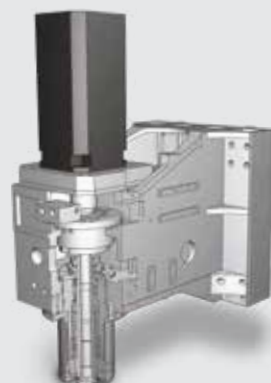
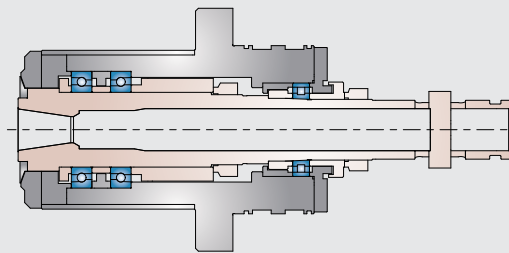
### MC-4.0R

- 20,000 min<sup>-1</sup>



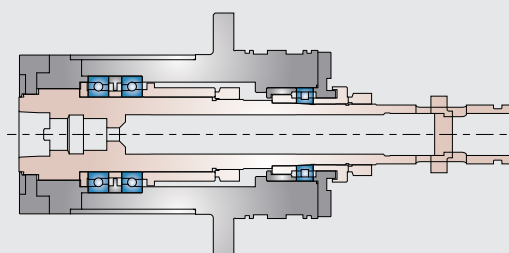
### MC-4.1R

- 15,000 min<sup>-1</sup>



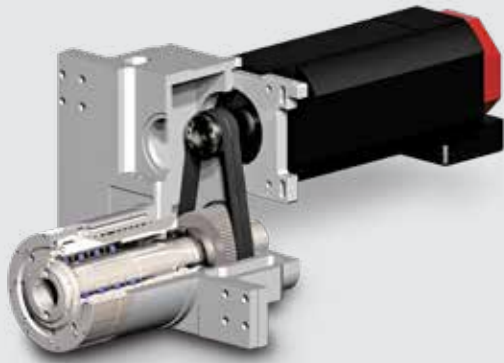
### MT-4.0 / MT4.1R

- 12,000 min<sup>-1</sup> / 15,000 min<sup>-1</sup>



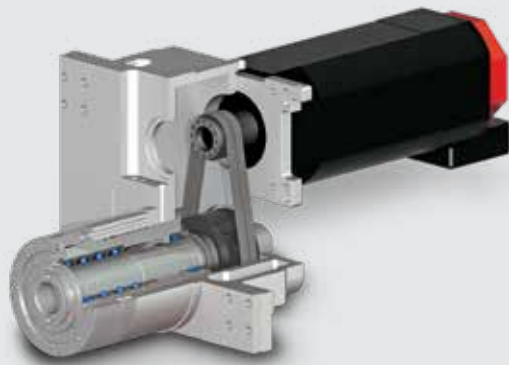
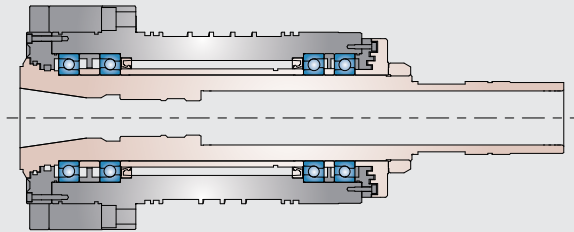
# 50 Taper

## Belt spindle



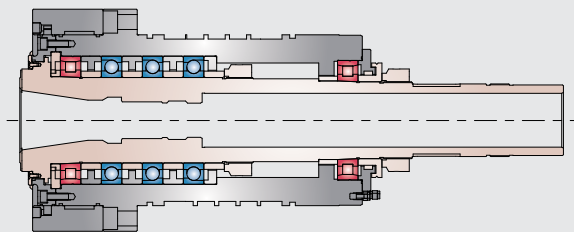
### SB-5.0

- 6,000 min<sup>-1</sup>



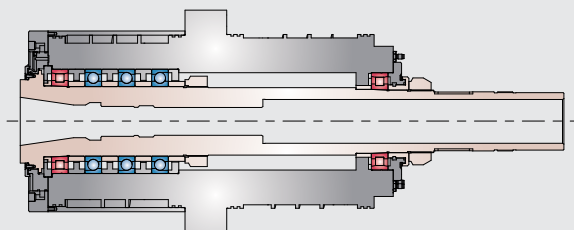
### SB-5.0A

- 6,000 min<sup>-1</sup>
- 7,500 min<sup>-1</sup> (Gear box)



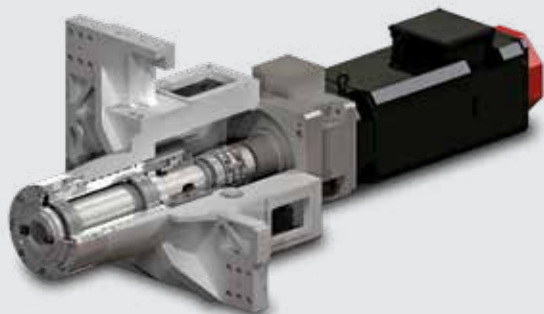
### SB-5.1A (Gear box)

- 6,000 min<sup>-1</sup> ~ 7,500 min<sup>-1</sup>



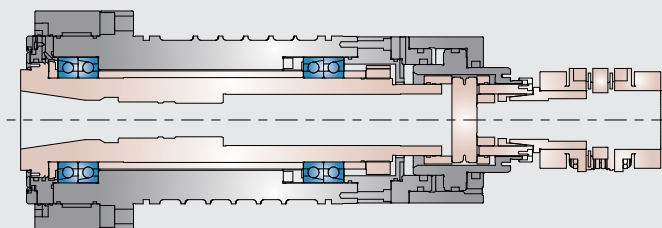


## Coupling spindle



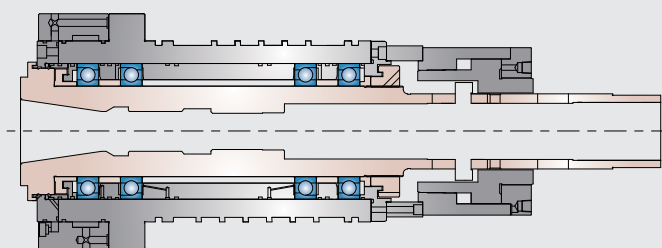
### SC-5.0 (Gear box)

- 6,000 min<sup>-1</sup>



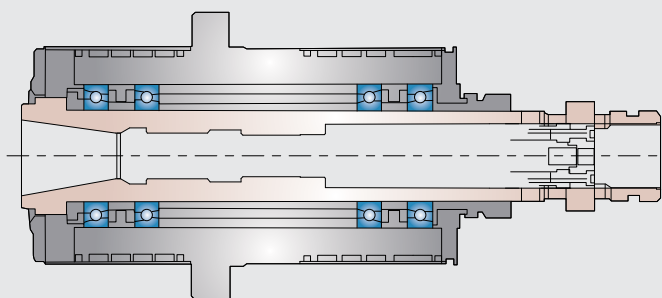
### RC-5.0A

- 10,000 min<sup>-1</sup>



### MC-5.0A

- 15,000 min<sup>-1</sup>



Belt 8K

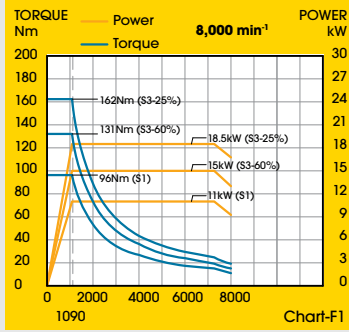
Belt 10K

Belt 9K

Belt 12K

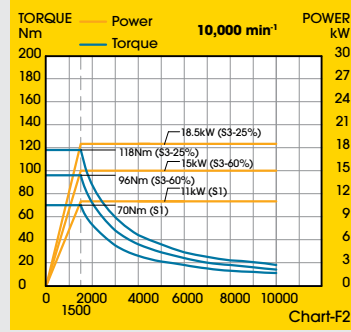
AB-4.0

Belt  
Motor type:  $\alpha$ il12/12,000 ( $\beta$ iSVSP-18-B)



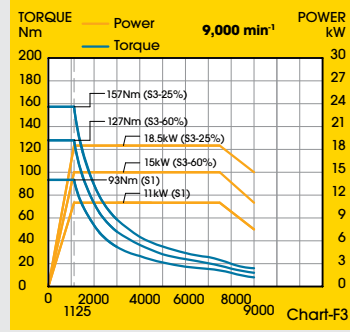
AB-4.0

Belt  
Motor type:  $\alpha$ il12/12,000 ( $\beta$ iSVSP-18-B)



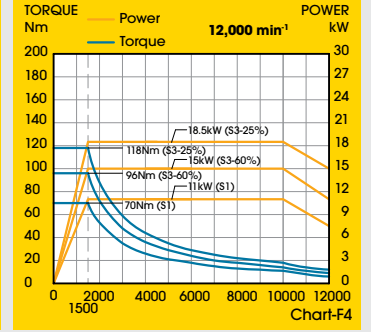
MB-4.0

Belt  
Motor type:  $\alpha$ il12/12,000 ( $\beta$ iSVSP-18-B)



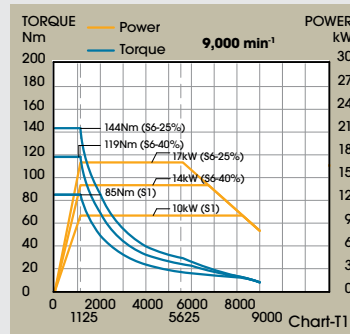
MB-4.0

Belt  
Motor type:  $\alpha$ il12/12,000 ( $\beta$ iSVSP-18-B)



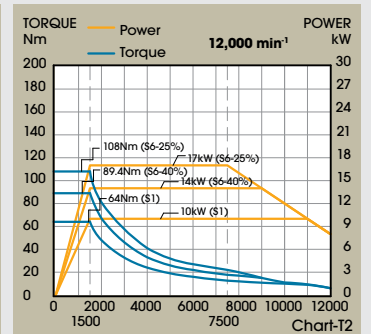
MB-4.0

Belt  
Motor type: QAN200U



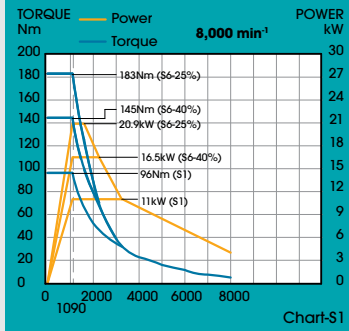
MB-4.0

Belt  
Motor type: QAN200U



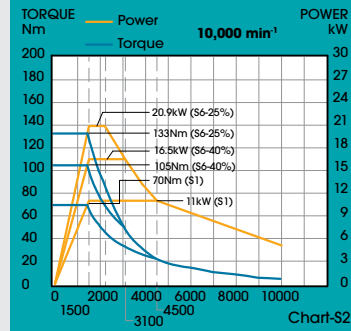
AB-4.0

Belt  
Motor type: 1PH8131



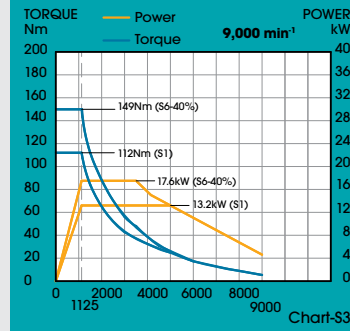
AB-4.0

Belt  
Motor type: 1PH8131



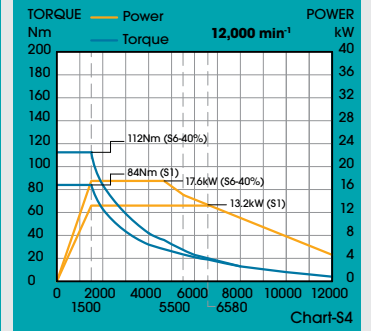
MB-4.0

Belt  
Motor type: 1PH8133 (Combi 20kw+18A)



MB-4.0

Belt  
Motor type: 1PH8133 (Combi 20kw+18A)



Belt 9K

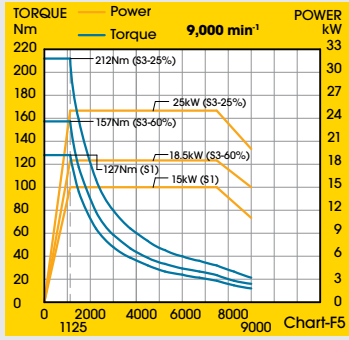
Belt 12K

Belt 9K

Belt 12K

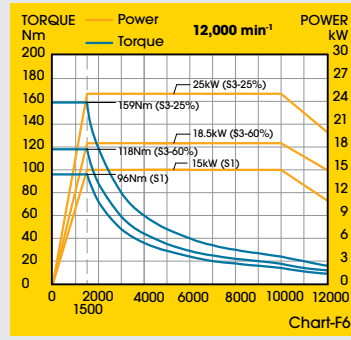
**MB-4.0**

Belt  
Motor type: αi15 / 12,000 (SPM22)



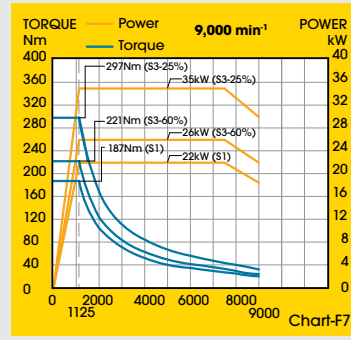
**MB-4.0**

Belt  
Motor type: αi15 / 12,000 (SPM22)



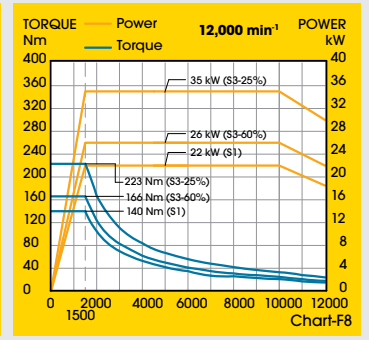
**MB-4.0**

Belt  
Motor type: αi22 / 12,000 (SPM26)



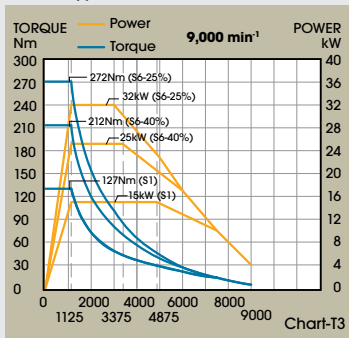
**MB-4.0**

Belt  
Motor type: αi22 / 12,000 (SPM26)



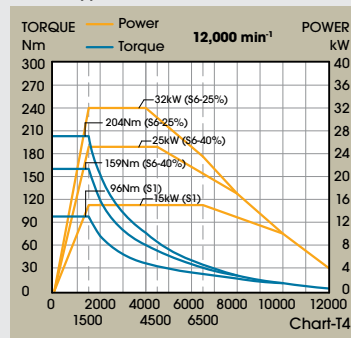
**MB-4.0**

Belt  
Motor type: QAN260M



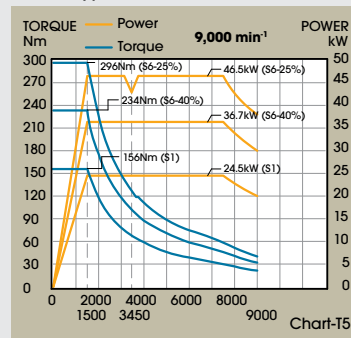
**MB-4.0**

Belt  
Motor type: QAN260M



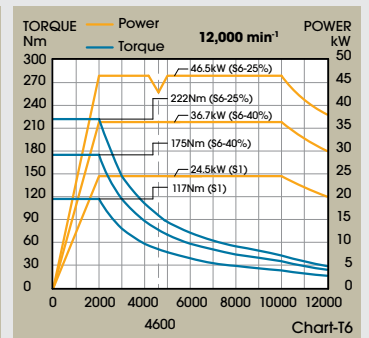
**MB-4.0**

Belt  
Motor type: 1PH8135



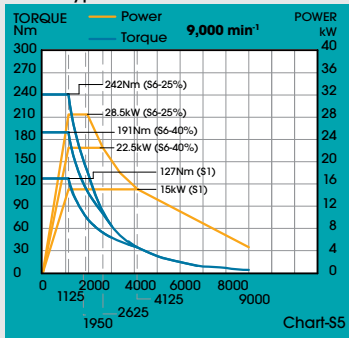
**MB-4.0**

Belt  
Motor type: 1PH8135



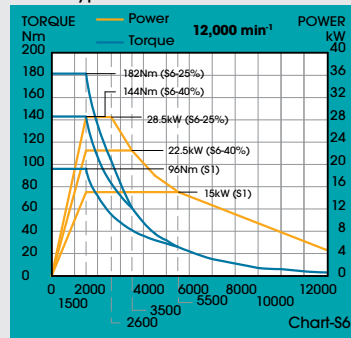
**MB-4.0**

Belt  
Motor type: 1PH8133



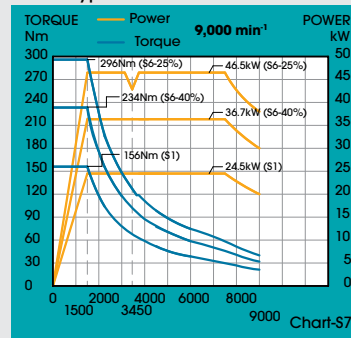
**MB-4.0**

Belt  
Motor type: 1PH8133



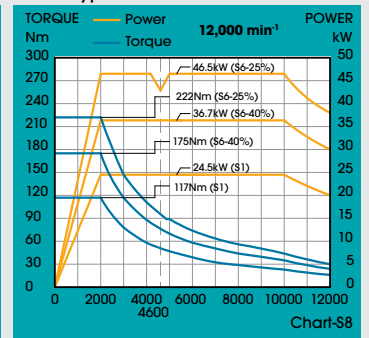
**MB-4.0**

Belt  
Motor type: 1PH8135



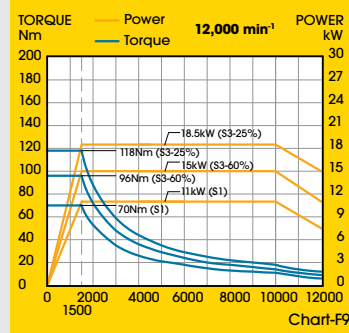
**MB-4.0**

Belt  
Motor type: 1PH8135



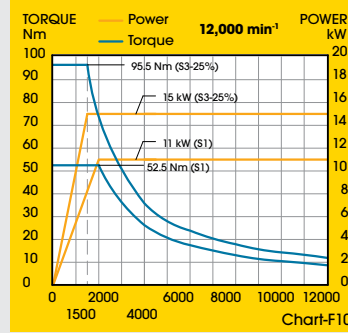
SC-4.2

Coupling  
Motor type:  $\alpha$ il12 / 12,000 ( $\beta$ iSVSP-18-B)



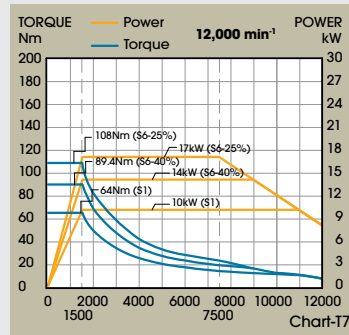
SC-4.2

Coupling  
Motor type:  $\alpha$ ilT8 / 15,000 ( $\beta$ iSVSP-18-B)



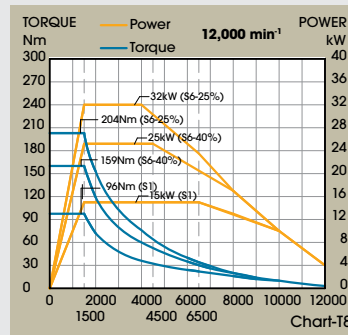
SC-4.2

Coupling  
Motor type: QAN200U / QAN200UH



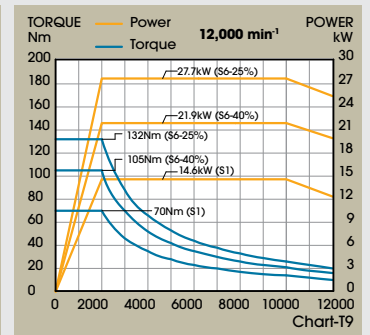
SC-4.2

Coupling  
Motor type: QAN260M / QAN260MH



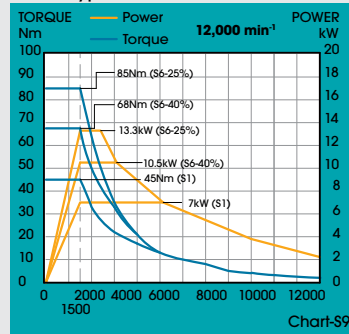
SC-4.2

Coupling  
Motor type: 1PH8131



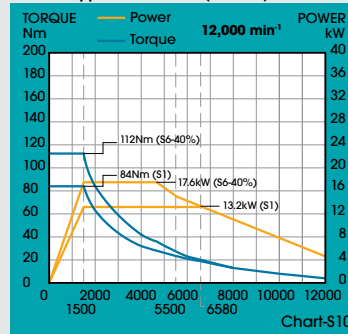
SC-4.2

Coupling  
Motor type: 1PH8105



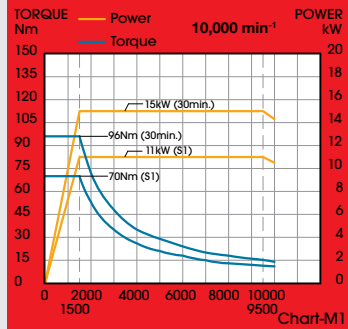
SC-4.2

Coupling  
Motor type: 1PH8133 (combi)



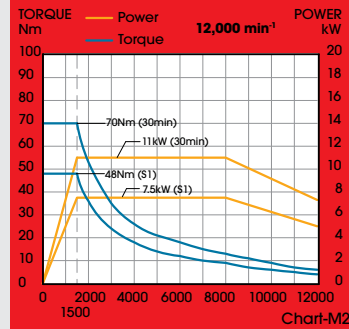
SC-4.2

Coupling  
Motor type: SJ-V22-06ZT



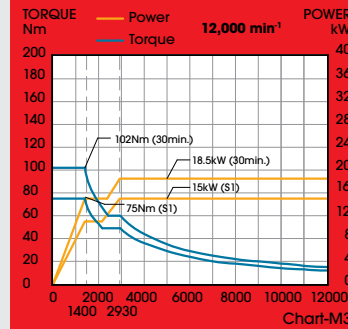
SC-4.2

Coupling  
Motor type: SJ-V11-08ZT-S02/SJ-VS11-08ZT-S02



SC-4.2

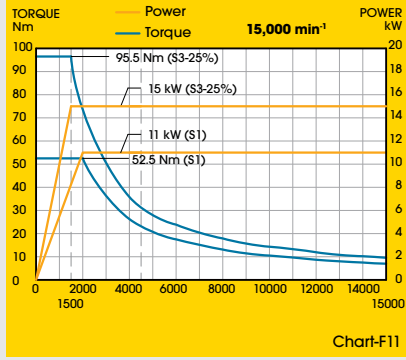
Coupling  
Motor type: SJ-VK30-16ZT/SJ-VKS30-16ZT



**MC-4.1R**

Coupling

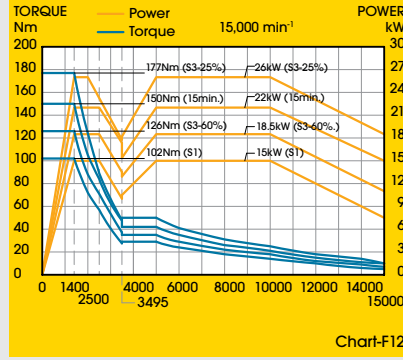
Motor type:  $\alpha$ IT8 / 15000 ( $\beta$ ISVSP-18-B)



**MC-4.1R**

Coupling

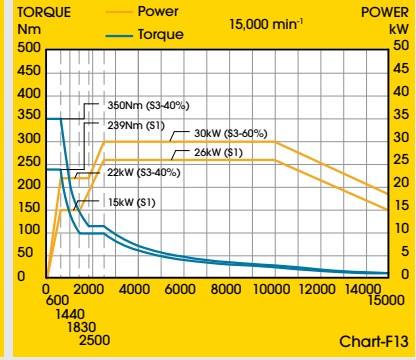
Motor type:  $\alpha$ IT15 / 15,000 (SPM30)



**MC-4.1R**

Coupling

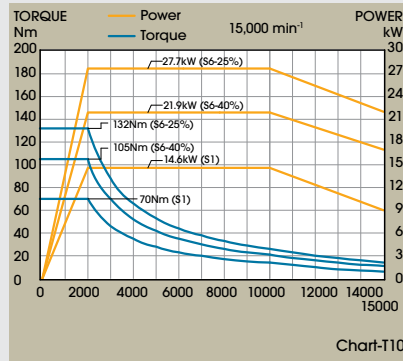
Motor type:  $\alpha$ IL26 / 15,000 (SPM30)



**MC-4.1R**

Coupling

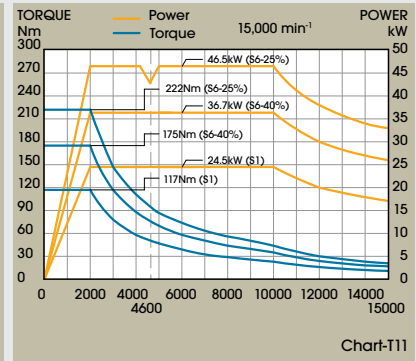
Motor type: 1PH8131



**MC-4.1R**

Coupling

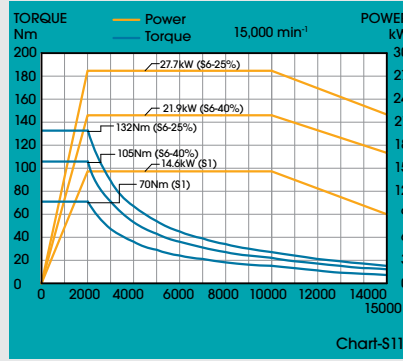
Motor type: 1PH8135



**MC-4.1R**

Coupling

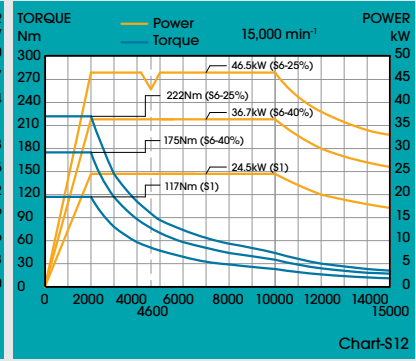
Motor type: 1PH8131



**MC-4.1R**

Coupling

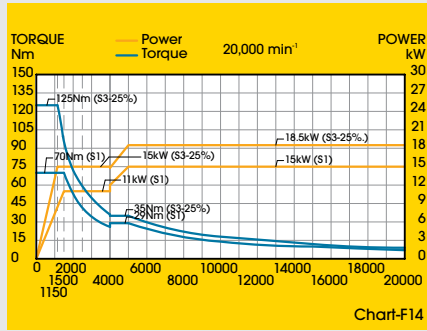
Motor type: 1PH8135





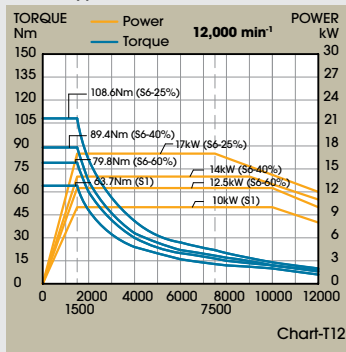
**MC-4.0R**

Coupling  
Motor type:  $\alpha$ ill 8 / 20,000 (SPM30i)



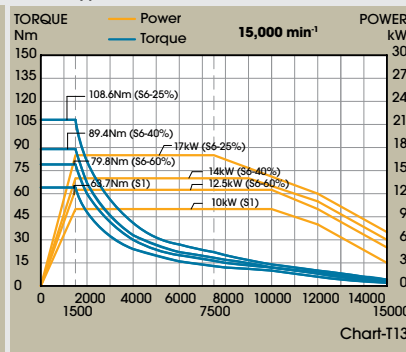
**MT-4.0**

Coupling  
Motor type: QAN200UH



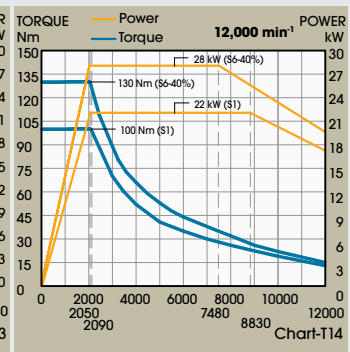
**MT-4.0R**

Coupling  
Motor type: QAN200UH



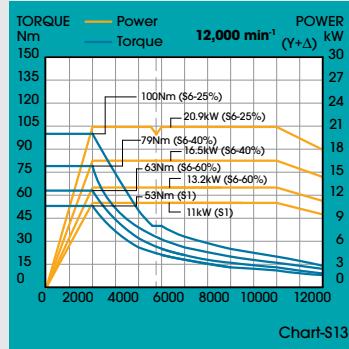
**RM-4.0A**

Motor spindle



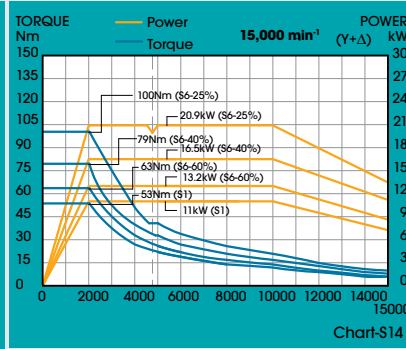
**MT-4.0**

Coupling  
Motor type: 1PH8107



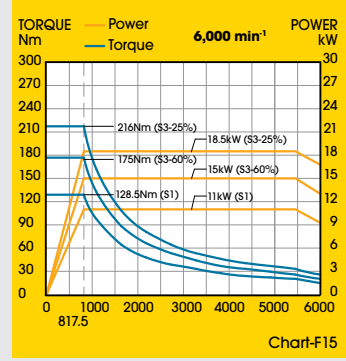
**MT-4.0R**

Coupling  
Motor type: 1PH8107



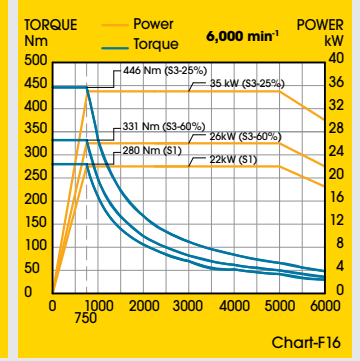
**SB-5.0**

Belt  
Motor type: αil12 / 12,000 (βiVSP-18-B)



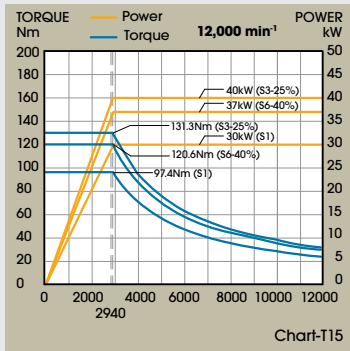
**SB-5.0A**

Belt  
Motor type: αil22 / 12,000 (SPM26)



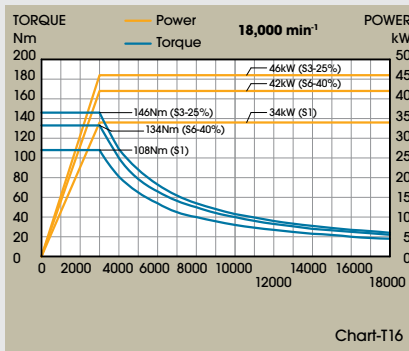
**HM-4.0**

Motor spindle



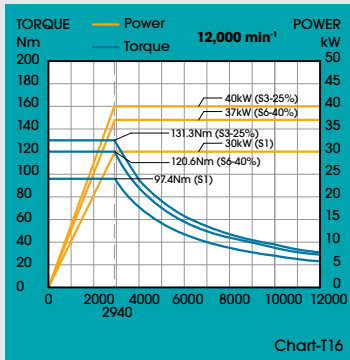
**HM-4.0A**

Motor spindle



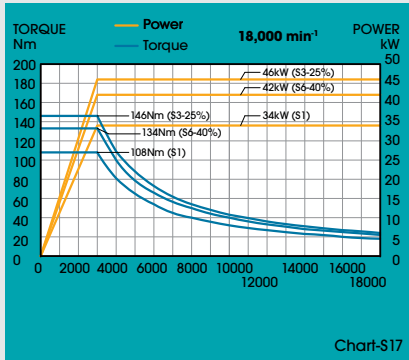
**HM-4.0**

Motor spindle



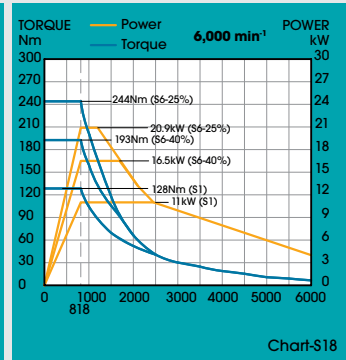
**HM-4.0A**

Motor spindle



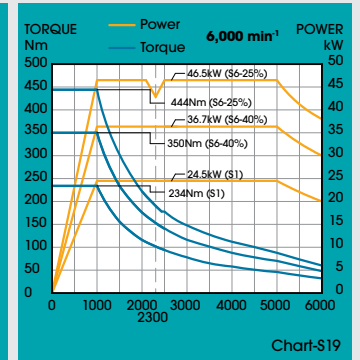
**SB-5.0**

Belt  
Motor type: 1PH8131



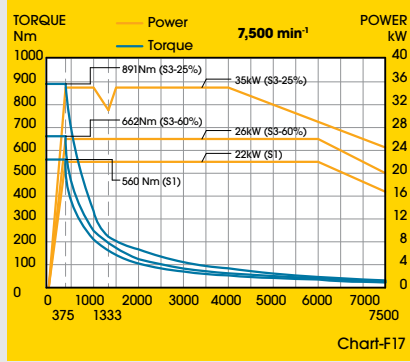
**SB-5.0A**

Belt  
Motor type: 1PH8135



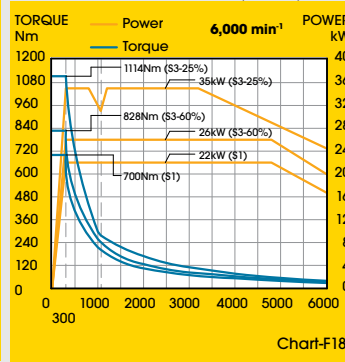
**SB-5.0A**

Belt + Gear box  
Motor type: αil22 / 8,000 (SPM26)



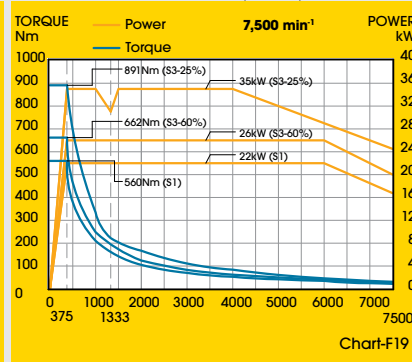
**SB-5.1A**

Belt + Gear box  
Motor type: αil22 / 8,000 (SPM26)



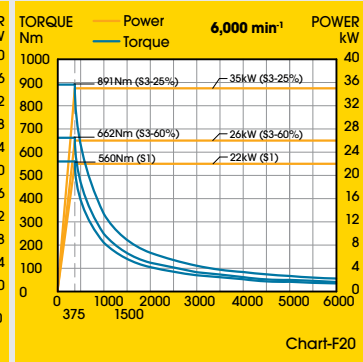
**SB-5.1A**

Belt + Gear box  
Motor type: αil22 / 8,000 (SPM26)



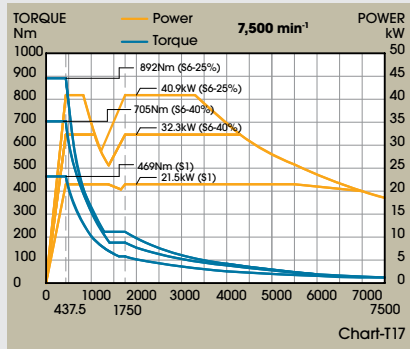
**SC-5.0**

Coupling + Gear box  
Motor type: αil22T / 10,000



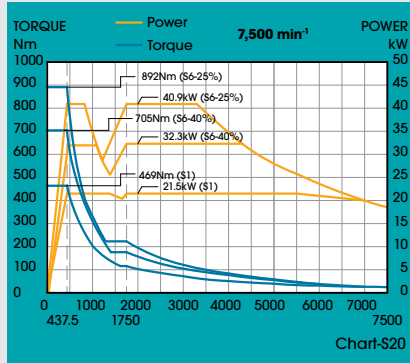
**SB-5.0A**

Belt + Gear box  
Motor type: 1PH8135



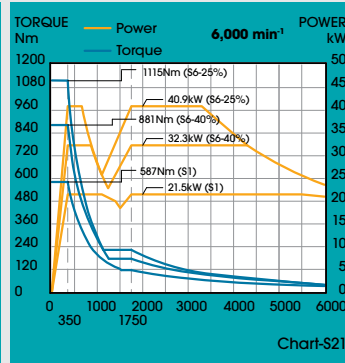
**SB-5.0A**

Belt + Gear box  
Motor type: 1PH8135



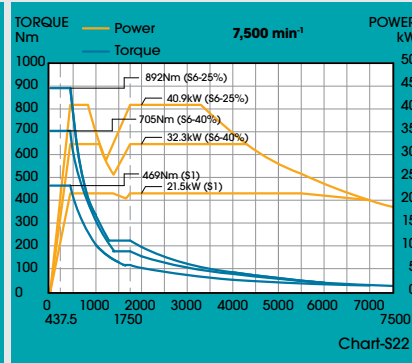
**SB-5.1A**

Belt + Gear box  
Motor type: 1PH8135



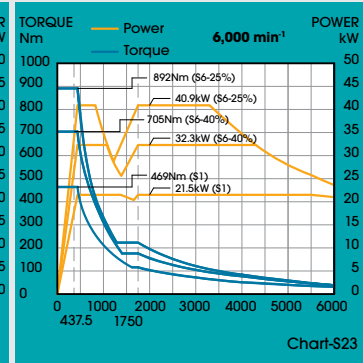
**SB-5.1A**

Belt + Gear box  
Motor type: 1PH8135



**SC-5.0**

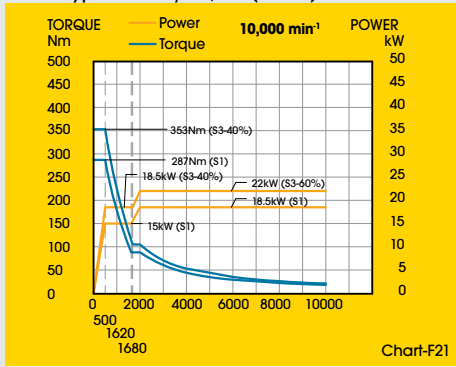
Coupling + Gear box  
Motor type: 1PH8135



**RC-5.0A**

Coupling

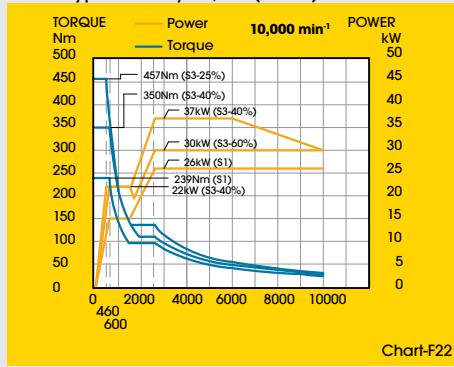
Motor type: αiIL26 / 10,000 (SPM26)



**RC-5.0A**

Coupling

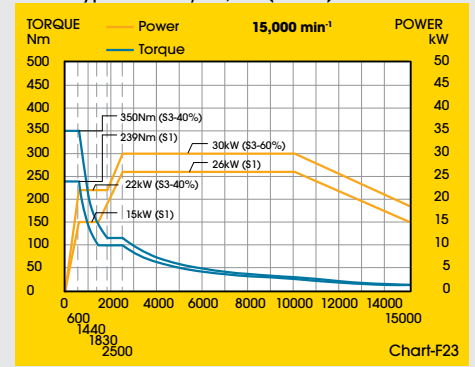
Motor type: αiIL26 / 15,000 (SPM37)



**MC-5.0A**

Coupling

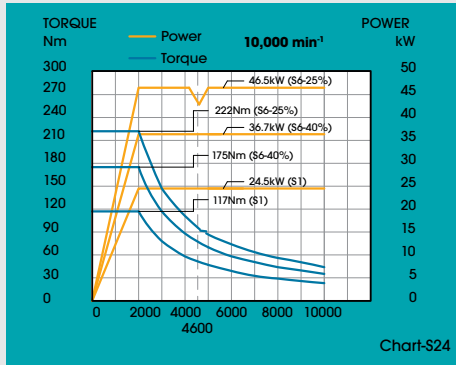
Motor type: αiIL 26 / 15,000 (SPM30)



**RC-5.0A**

Coupling

Motor type: 1PH8135



● = FANUC   ● = HEIDENHAIN   ● = SIEMENS   ● = MITSUBISHI

		#40 Belt spindle					
New spindle code		MB-4.0					
Shaft diameter		Ø70 / Ø65					
Spindle Taper		ISO-40					
Bearing arrangement		< > =					
Ball bearing type		Ceramic					
Roller bearing type		Steel					
Bearing lubrication		Grease packed					
Transmission		Belt					
Speed		9,000	12,000	9,000	12,000	9,000	12,000
Power / Torque	F <sup>(1)</sup>	αil12 / 12,000 (BISVSP-18-B)		αil15 / 12,000 (SPM22)		αil22 / 12,000 (SPM26)	
		18.5 / 157	18.5 / 118	25 / 212	25 / 159	35 / 297	35 / 223
(S3-25%) <sup>(1)</sup>		<b>Chart-F3</b>	<b>Chart-F4</b>	<b>Chart-F5</b>	<b>Chart-F6</b>	<b>Chart-F7</b>	<b>Chart-F8</b>
(S6-25%) <sup>(2)</sup>	T <sup>(2)</sup>	QAN200U		QAN260M		1PH8135	
(S6-40%) <sup>(3)</sup>		17 / 144	17 / 108	32 / 272	32 / 204	46.5 / 296	46.5 / 222
(S3-40%) <sup>(4)</sup>	S <sup>(2)</sup>	1PH8133		1PH8133		1PH8135	
(S3-60%) <sup>(5)</sup>		17.6 / 149 <sup>(3)</sup>	17.6 / 112 <sup>(3)</sup>	28.5 / 242	28.5 / 182	46.5 / 296	46.5 / 222
(30 min.) <sup>(6)</sup>	M <sup>(6)</sup>	-		-		-	
		-	-	-	-	-	-
CTS Available		●	●	●	●	●	●
Available NC		(F) FANUC (T) HEIDENHAIN (M) MITSUBISHI (S) SIEMENS					
MV134 C							
MV134 E		● (F/T)	● (F/T)				
MV134 P		● (F/S)	● (F/S)	● (T)	● (T)		
MV154C / MV184 C							
MV154E / MV184 E		● (F/T)	● (F/T)				
MV154P / MV184 P				● (F/T/S)	● (F/T/S)		
MV154M / MV184 M							
MV154APC / E		● (F)	● (F)				
MV154APC / P				● (F)	● (F)		
MV154APC / HS							
MV204C							
MV204E				● (F)	● (F)		
MV204V				● (F/T)	● (F/T)		
MV204P / MV214P						● (F/T/S)	● (F/T/S)
MV234E				● (F)	● (F)		
MV234P						● (F/T/S)	● (F/T/S)
MK603SE				● (F)	● (F)		
MK603SP						● (F)	● (F)
HX404E							
HX404P							
HX504C							
HX504AE / HX504BE				● (F)	● (F)		
HX504AP / HX504BP						● (F/S)	● (F/S)
MF400C / MF500C							
MF630C							
MF400U / MF500U							
MF630U							
UX500C							
UX500P				● (T/S)	● (T/S)		
UX600C							
UX600P				● (T/S)	● (T/S)		
UX800P							
UX630P / UX630APC							
UH800							
MT400U							



#40 Belt spindle		#40 Coupling spindle					
AB-4.0		SC-4.2					
Ø70		Ø80 / Ø70					
ISO-40		ISO-40					
<<>> <>		<<>>					
Ceramic		Ceramic					
-		-					
Grease packed		Grease packed					
Belt		Coupling					
8,000	10,000	10,000	12,000		12,000		
αil12 / 12,000 (βiSVSP-18-B)		-	αil12 / 12,000 (βiSVSP-18-B)		αilT8 / 15000 (βiSVSP-18-B)		
18.5 / 162	18.5 / 118	-	18.5 / 118		15 / 95.5		
<b>Chart-F1</b>	<b>Chart-F2</b>	-	<b>Chart-F9</b>		<b>Chart-F10</b>		
-	-	-	QAN200U	QAN260M	QAN200UH	QAN260MH	1PH8131
-	-	-	17/108	32 / 204	17 / 108	32 / 204	27.7 / 132
-	-	-	<b>Chart-T7</b>	<b>Chart-T8</b>	<b>Chart-T7</b>	<b>Chart-T8</b>	<b>Chart-T9</b>
1PH8131		-	1PH8105	1PH8133	1PH8105	1PH8133	-
20.9 / 183	20.9 / 133	-	13.3 / 85	17.6 / 112 <sup>(3)</sup>	13.3 / 85	17.6 / 112 <sup>(3)</sup>	-
<b>Chart-S1</b>	<b>Chart-S2</b>	-	<b>Chart-S9</b>	<b>Chart-S10</b>	<b>Chart-S9</b>	<b>Chart-S10</b>	-
-	-	SJ-V22-06ZT	SJ-V11-08ZT-S02	SJ-VK30-16ZT	SJ-VS11-08ZT-S02	SJ-VKS30-16ZT	-
-	-	15 / 96	11 / 70	18.5 / 102	11 / 70	18.5 / 102	-
-	-	<b>Chart-M1</b>	<b>Chart-M2</b>	<b>Chart-M3</b>	<b>Chart-M2</b>	<b>Chart-M3</b>	-
Opt.	Opt.	X	X		●		
(F) FANUC (T) HEIDENHAIN (M) MITSUBISHI (S) SIEMENS							
			● (M)	● (F/S)	● (M)	● (F/S)	
		● (M)		● (F/S/M)		● (F/S/M)	
		● (M)		● (S/M)		● (S/M)	
					● (F/S)		
● (F/S)	● (F/S)						
		● (M)	● (F/S/M)	● (F/S/M)	● (F/S/M)	● (S/M)	
		● (M)	● (F/T/S)	● (F/T/S)	● (F/T/S)	● (T/S)	
			● (F/T/S)		● (F/T/S)		
							● (F/T)

		#40 Coupling spindle			
New spindle code		MC-4.1R		MC-4.0R	
Shaft diameter		Ø80 / Ø65		Ø70 / Ø60	
Spindle Taper		ISO-40 / HSK A63		ISO-40 / HSK A63	
Bearing arrangement		< > =		< > =	
Ball bearing type		Ceramic		Ceramic	
Roller bearing type		Steel		Ceramic	
Bearing lubrication		Re-Grease		Re-Grease	
Transmission		Coupling		Coupling	
<b>Speed</b>		<b>15,000</b>		<b>20,000</b>	
Power / Torque		αiIT8 / 15,000 (αiSVSP-18-B)	αiIT15 / 15,000 (SPM30)	αiIL26 / 15,000 (SPM30)	αiIL8 / 20,000 (SPM30i)
(S3-25%) <sup>(1)</sup>		15 / 95.5	26 / 177	30 <sup>(5)</sup> / 350 <sup>(4)</sup>	15 / 125
(S6-25%) <sup>(2)</sup>		<b>Chart-F11</b>	<b>Chart-F12</b>	<b>Chart-F13</b>	<b>Chart-F14</b>
(S6-40%) <sup>(3)</sup>		1PH8131		1PH8135	-
(S3-40%) <sup>(4)</sup>		27.7 / 132		46.5 / 222	-
(S3-60%) <sup>(5)</sup>		<b>Chart-T10</b>		<b>Chart-T11</b>	-
(30 min.) <sup>(6)</sup>		1PH8131		1PH8135	-
		27.7 / 132		46.5 / 222	-
		<b>Chart-S11</b>		<b>Chart-S12</b>	-
CTS Availability		●		●	●
Available NC		(F) FANUC (T) HEIDENHAIN (S) SIEMENS			
MV134 C					
MV134 E					
MV134 P		● (F/T/S)			
MV154C / MV184 C					
MV154E / MV184 E					
MV154P / MV184 P		● (F/T/S)		● (F)	
MV154M / MV184 M		● (F/T/S)		● (F)	
MV154APC / E					
MV154APC / P		● (F)		● (F)	
MV154APC / HS		● (F)		● (F)	
MV204C					
MV204E					
MV204V					
MV204P / MV214P		● (F)		● (F/T/S)	
MV234E					
MV234P		● (F)		● (F/T/S)	
MK603SE					
MK603SP		● (F)		● (F)	
HX404E					
HX404P		● (F/S)		● (F)	
HX504C					
HX504AE / HX504BE					
HX504AP / HX504BP		● (F)		● (F/S)	
MF400C / MF500C		● (F/S)		● (F)	
MF630C		● (F/S)		● (F)	
MF400U / MF500U		● (F/T/S)		● (F)	
MF630U		● (F/T/S)		● (F)	
UX500C					
UX500P		● (T/S)			
UX600C					
UX600P		● (T/S)			
UX800P		● (T/S)			
UX630P / UX630APC					
UH800					
MT400U					

#40 Coupling spindle		#40 Built-in spindle		
MT-4.0	MT-4.0R	RM-4.0A	HM-4.0	HM-4.0A
Ø80 / Ø65	Ø80 / Ø65	Ø70 / Ø65	Ø80 / Ø60	Ø80 / Ø60
HSK A63 / HSK T63	HSK A63 / HSK T63	HSK A63	ISO-40	HSK A63
<> =	<<>	<<<>	<<> >	<<> >
Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
Steel	Steel	-	-	-
Grease packed	Re-Grease	Oil-Air	Grease packed	Oil-Air
Coupling	Coupling		Built-in	
<b>12,000</b>	<b>15,000</b>	<b>12,000</b>	<b>12,000</b>	<b>18,000</b>
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
QAN200UH	QAN200UH	-	-	-
17 / 108.6	17 / 108.6	28 <sup>(3)</sup> / 130 <sup>(3)</sup>	40 <sup>(1)</sup> / 131.3 <sup>(1)</sup>	46 <sup>(1)</sup> / 146 <sup>(1)</sup>
<b>Chart-T12</b>	<b>Chart-T13</b>	<b>Chart-T14</b>	<b>Chart-T15</b>	<b>Chart-T16</b>
1PH8107	1PH8107	-	-	-
20.9 / 100	20.9 / 100	-	40 <sup>(1)</sup> / 131.3 <sup>(1)</sup>	46 <sup>(1)</sup> / 146 <sup>(1)</sup>
<b>Chart-S13</b>	<b>Chart-S14</b>	-	<b>Chart-S16</b>	<b>Chart-S17</b>
●	●	●	●	●
(F) FANUC (T) HEIDENHAIN (S) SIEMENS				
			● (T/S)	● (T/S)
		● (T)		
● (T/S)	● (T/S)			

		#50 Belt spindle				
Spindle code		SB-5.0	SB-5.0A		SB-5.1A	
Shaft diameter		Ø100	Ø100 / Ø90		Ø100 / Ø90	
Spindle Taper		ISO-50	ISO-50		ISO-50	
Bearing arrangement		<< >>	=<< > =		=<< > =	
Ball bearing type		Steel	Ceramic		Ceramic	
Roller bearing type		-	Steel		Steel	
Bearing lubrication		Grease packed	Oil-Air		Oil-Air	
Transmission		Belt	Belt	Belt + Gear box	Belt + Gear box	
Speed		6,000	6,000	7,500	6,000	7,500
Power / Torque  (S3-25%) <sup>(1)</sup>  (S6-25%) <sup>(2)</sup>  (S6-40%) <sup>(3)</sup>  (S3-40%) <sup>(4)</sup>  (S3-60%) <sup>(5)</sup>	F <sup>(1)</sup>	αi112 / 12,000 (βiSVSP-18-B)	αi122 / 12,000 (SPM26)	αi122 / 8,000 (SPM26)	αi122 / 8,000 (SPM26)	
		18.5 / 216	35 / 446	35 / 891	35 / 114	35 / 891
		<b>Chart-F15</b>	<b>Chart-F16</b>	<b>Chart-F17</b>	<b>Chart-F18</b>	<b>Chart-F19</b>
	T <sup>(2)</sup>	-	-	1PH8135	-	-
		-	-	40.9 / 892	-	-
		-	-	<b>Chart-T17</b>	-	-
	S <sup>(2)</sup>	1PH8131	1PH8135	1PH8135	1PH8135	1PH8135
		20.9 / 244	46.5 / 444	40.9 / 892	40.9 / 1115	40.9 / 892
		<b>Chart-S18</b>	<b>Chart-S19</b>	<b>Chart-S20</b>	<b>Chart-S21</b>	<b>Chart-S22</b>
	CTS Availability		Opt.	●		●
Available NC		(F) FANUC (T) HEIDENHAIN (S) SIEMENS				
MV205E / MV215E			● (F)	● (F)		
MV205P / MV215P				● (F/T)		
MV235E			● (F)			
MV235P				● (F/T/S)		
HX505AC / HX505BC		● (F/S)				
HX505AE			● (F)			
HX505AP			● (F/S)			
HX635A-HT / HX635B-HT						
HX635A-HS/ HX635B-HS						
HX805A-HT / HX805B-HT					● (F/S)	● (F/S)
HX805A-HS/ HX805B-HS						

## #50 Coupling spindle

SC-5.0	RC5.0A		MC-5.0A
Ø100	Ø100		Ø90
ISO-50	ISO-50		ISO-50
<< >>	<< >>		<< >>
Steel	Ceramic		Ceramic
Steel	-		-
Grease packed	Oil-Air		Oil-Air
Coupling + Gear box	Coupling		Coupling
6,000	10,000		15,000
αiL22T / 10,000 (SPM26)	αiL26 / 10,000 (SPM26)	αi IL26 / 15,000 (SPM37)	αi IL26 / 15,000 (SPM30)
35 / 891	18.5 <sup>(4)</sup> / 353 <sup>(4)</sup>	22 <sup>(4)</sup> / 457 <sup>(1)</sup>	30 <sup>(5)</sup> / 350 <sup>(4)</sup>
<b>Chart-F20</b>	<b>Chart-F21</b>	<b>Chart-F22</b>	<b>Chart-F23</b>
-	-	-	-
-	-	-	-
-	-	-	-
1PH8135	1PH8135		-
40.9 / 892	46.5 / 222		-
<b>Chart-S23</b>	<b>Chart-S24</b>		-
●	●	●	●
(F) FANUC (T) HEIDENHAIN (S) SIEMENS			
			● (F)
			● (F)
	● (F)		
	● (F)		
● (F/S)			
		● (F/S)	
			● (F)





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