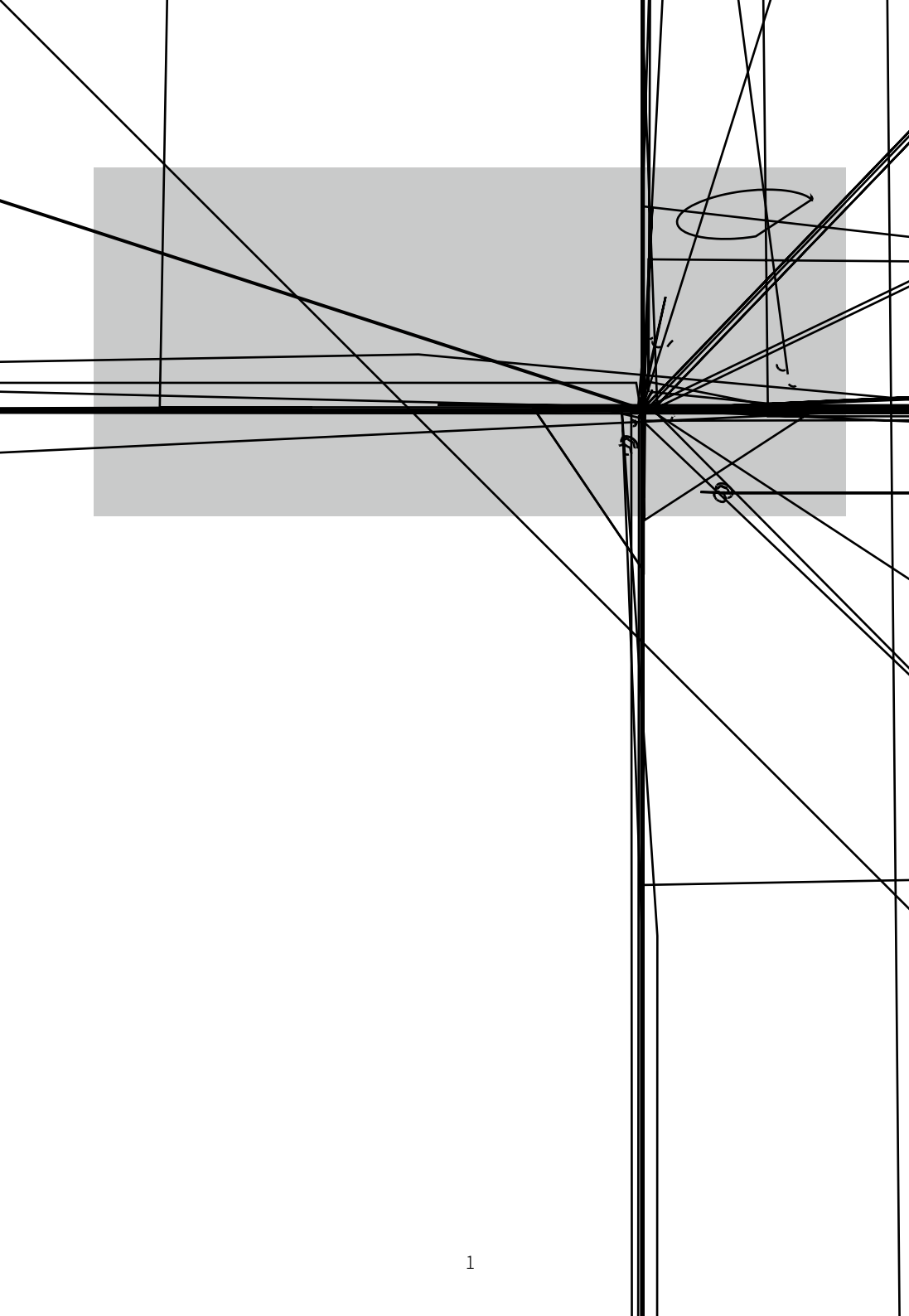




Overview

Rfc FPN/6 qcpqcp p_bg_j ngqrm l fwbp_sjga k mrm p* gq _ i g l b m d j m u qnc cb fgef rmpo sc fwbp_sjga k mrm p*
bgqa t_jtc qrsarspc* ugr f fgef npcqqspc* emmb qr_`gjgrw _r j m u qnc cb* fgef tmjs k crpga cddgagc law _l b

Advantages

01

Specification

Qcpgcq				FPN/6							
Kmrrmp ncpdmp k_lac				§	"	"	m] g Qcp	"	"	†	

T-0118

¶ K_i c qspc rfc k mrm p gq dsjj md mgj `cdmpc sqc,

¶ Bspgle k mrrmp ps l lgle+g l&_r jc_qr 0. fmspq* gr qfmsjb lmr `c mnrcp_rcb ugrfmsr jm_b_r epc_rcp rf_l
/ . .pn k,

¶ Rfc_jrp_rqm_lqr_lb_pb md GQM 22.4 ajc_lgleqr_lb_pb 0.-/6-/3 qq pcam k kcl bcb,

¶ Fgef os_igrw_lrg+uc_pfwbp_sjga_sgbq_pcpcamk kcl bcb,

U fcl rfc rck ncp_rspc qg 3.~*rfc kglg ksk tqamqgrw md rfc mgj qg pcam k kcl bcb rm `c 0. k k⁰-q,

↑ Rfcpcamk kclbcb k vqsk mncp rqlerc kncp rspcqq 63⁻ A,

¶ K vqk s k k m r m p r m p o s c ` q c b m l r f c m p c r g a j a j a s j r q m l q & k c a f l g a j c a q c l a w r / . . # ' ,

Ordering information

FPN/6	0	00	K6	U/	L	D/	?	??

Radial Piston Series

6lasptc ksjrgnjc+_argm l p_bq_j ngqrm l k mrrmp	FPN/6
---	-------

Single and Two Speed

Qg lejc qnccb	/
Rum qnccb* ec_p_p_rgm 08/	0
Rum qnccb* ec_p_p_rgm 0,068/	1

Displacement cm³/rev.

	Qg lejc qnccb8 /	Rum qnccb8 0	Rum qnccb8 1	Ambc
/170-474* Qr_ l b_pb ngqrm l				00
/525-652* Qr_ l b_pb ngqrm l				04
/640-6/4* Qr_ l b_pb ngqrm l				06
06/0-/2.4* Qrcn ngqrm l				1.
0.77-/ .3.* Qr_ l b_pb ngqrm l				1/
034.-/06.* Qrcn ngqrm l				11

Port Connection

	Qg lejc qnccb8 /	Rum qnccb8 0	Rum qnccb8 1	Ambc
6QM4/40 × /6,3&?* @** K00Ö / ,3&J* D'				K4
6QM4/40 × /6,3&?* @** K00Ö / ,3&J* D** K00Ö / ,3&V'				K6-K3
6QM4/40 × /6,3* am l l cargm l fmjc 6Ö K / . &?* @** K00Ö / ,3&J* D'				K2-K1
6QM / /57+ / E / + / / &?* @** 6QM7752+ / K00Ö / ,3&J* D'				KD
6QM4/40 × /6,3* am l l cargm l fmjc 6Ö K / . &?* @** 6QM / /57+ / E / -0+ /2 &J* K00Ö / ,3&D* E1-6 / 7 6QM / /57+ / &V'				K@

Output Shaft

	KD	K4	K6-K2	K3	K1-K@	Ambc
U fccj ngjmr ×00. ,5Ö / . * r fpc_bcb fmjcq ×053 bqqrpq` srgm l appaic /4Ö K0. Ö / ,3				appaic × appaic /4Ö , ,0. Ö K03	appaic × appaic /4Ö , ,0. Ö K03	

Ordering information

Paint Option

LmN_glr	L
@j_ai	@
Fclejg`jsc	A
Wcjjmu	W

Brake

Lm`p_icq	??
Qr_rga`p_igle rmposc /64...L¶k*nmpr X K/4v/,3*`rfgl`_ai amtcp	D/
Qr_rga`p_igle rmposc /64...L¶k*nmpr X K/4v/,3*`p_ic ugrfmsr sqfgle*rfgai`_ai amtcp	D1
Qr_rga`p_igle rmposc /64...L¶k*nmpr X K/4v/,3*`p_ic ugrf sqfgle*rfgai`_ai amtcp	D0
Qr_rga`p_igle rmposc /64...L¶k*nmpr X K/4v/,3	D2
Qr_rga`p_igle rmposc /64...L¶k*nmpr X E1-6+/76QM //57+/*rfgl`_ai amtcp	D4
N_pigle`p_ic nmpr X K/6Ö/,3*bpqgle`p_ic nmpr X B K/2Ö/,3*qr_rga`p_igle rmposc /0...L*bwI_kga`p_igle rmposc 4...L¶k	D5
Qr_rga`p_igle rmposc 6...L k*nmpr X K/4Ö/,3* amnncp+`_qcb dpqargmI bgqaq	D6

Flushing Valve

Lm sqfgle t_jtc	?
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Special Features

	K1-K3-K4-K6-KD	K2-K@	Ambc
Qr_l b_pb			??
Qncbc qclqmp a_tgrw			Q/
Fgef qncbc*)1. #			FQ
Q4)FQ			?@
Ufccjqgbc_vjc ugrfmsr fs`mjrq			?A
Ufccjqgbc_vjc ugrf fs`mjrq mI jw* ugrfmsr lsrq			?B
Qncbc qclqmp&ugrf bgpcargmI hsbec kclr'			Q4
Q/)FQ			Q6

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Note: ;?t_gj`jc9 Dmp rfc mrfcp rwnqcq md nmpr dmp kq\* msrnsr dmp kq\_l b`p_ic nmpr mpqclrr_rgmI q* njc_qc
amI r_ar Fclejg q_nnjga_rgmI cleglccp dmp amI qsjr_rgmI,

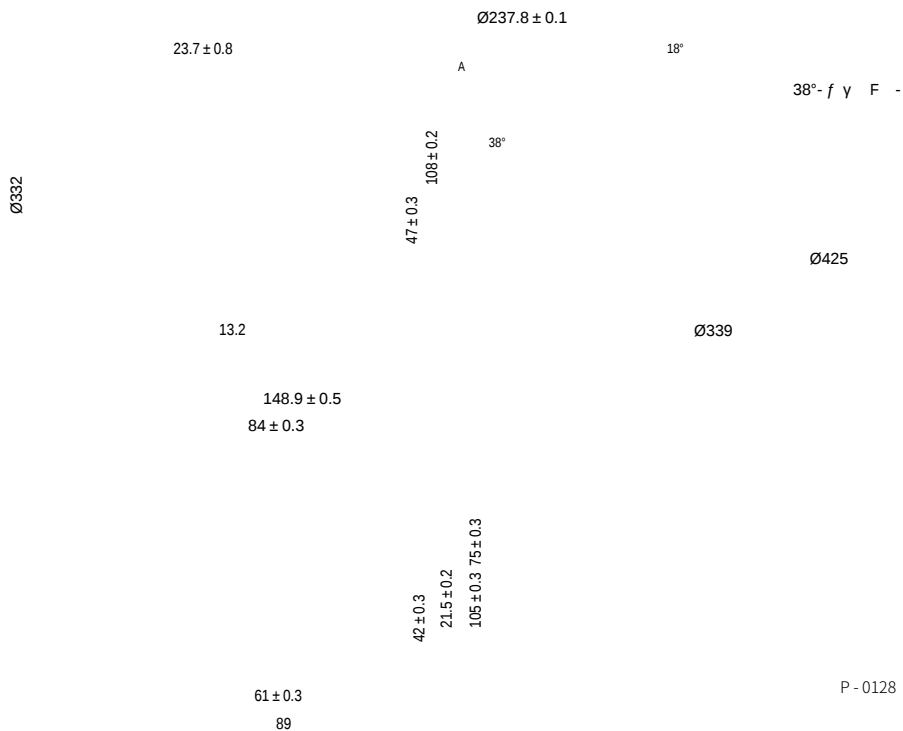
Installation size

01



Installation size

- Two speed wheel output: Take HRP18222M8W2BF1AAB for example



Installation size

·Two speed wheel output: Take HRP18230M5W5BF3AS8 for example

10xØ22.5^{+0.25}_{0.10}
⌀100.7A

01

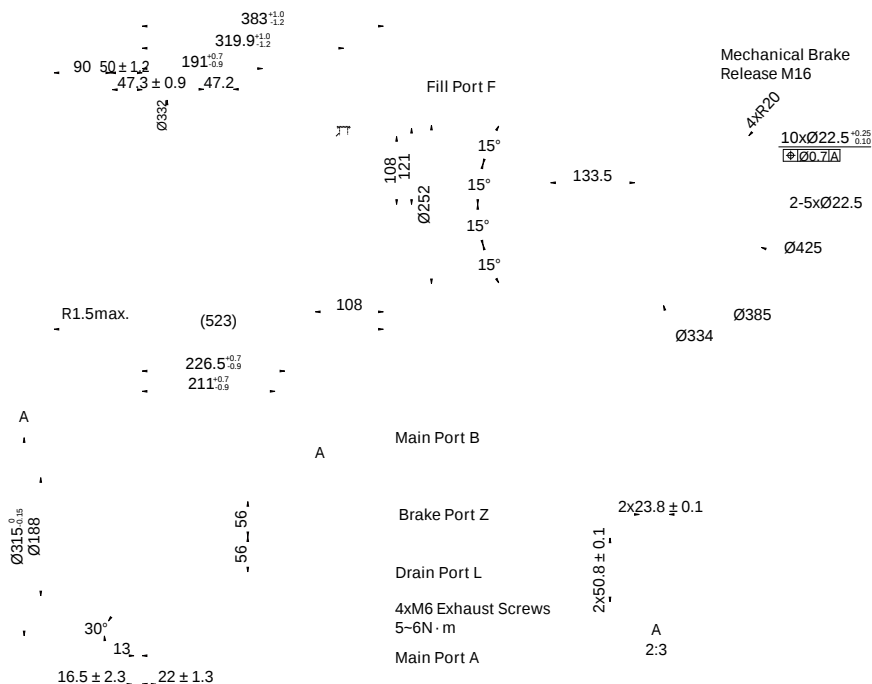
Note: The weight of the connection shown in the figure is 151.7kg.

Name	Port Function	M5
?* @	K_gI Nmpr	× /6,3
J	Bp_gI Nmpr	K00Ö /,3
D	Dgjj Nmpr	K00Ö /,3
V	T_p0_`jc Qnccb Nmpr	K00Ö /,3
X	@p_i c Nmpr	K /4Ö /,3

T - 0242

Installation size

· Single speed shaft output: Take HRP18131M3S5BF8AAA for example



P - 0341

Note: The weight of the connection shown in the figure is 151.7kg.

Name	Port Function	M3
?* @	K_g l Nmpr	× / 6,3
J	Bp_g l Nmpr	K00Ö / ,3
D	Dgjj Nmpr	K00Ö / ,3
X	@p_ i c Nmpr	K / 4Ö / ,3

T - 0243

Installation size

·Single speed internal spline shaft output: Take HRP18131MFS2BAAAAA for example



Note: The weight of the connection shown in the figure is 120.4kg.

Name	Port Function	MF
?* @	K_g I Nmpr	E / + / /
J	Bp_g I Nmpr	K00Ö / ,3
D	Dgjj Nmpr	K00Ö / ,3

T - 0265

Installation size

· Two speed shaft output: Take HRP18230MBS5BF6AHS for example

$$383^{+1.0}_{-1.2}$$

$$\frac{10 \times \phi 22.5^{+0.25}_{-0.10}}{\phi 100.7[A]}$$

$$\begin{matrix} 320^{+1.0}_{-1.2} \\ 255^{+0.7}_{-0.9} \\ +1.0 \\ -1.2 \end{matrix}$$

Main Port B

Drain Port L

Brake Port Z

2xM6 Exhaust Screws
5–6N·m

Main Port A

Variable Speed Port X

$$\begin{matrix} 232^{+0.7}_{-0.9} \\ 260^{+0.7}_{-0.9} \end{matrix}$$

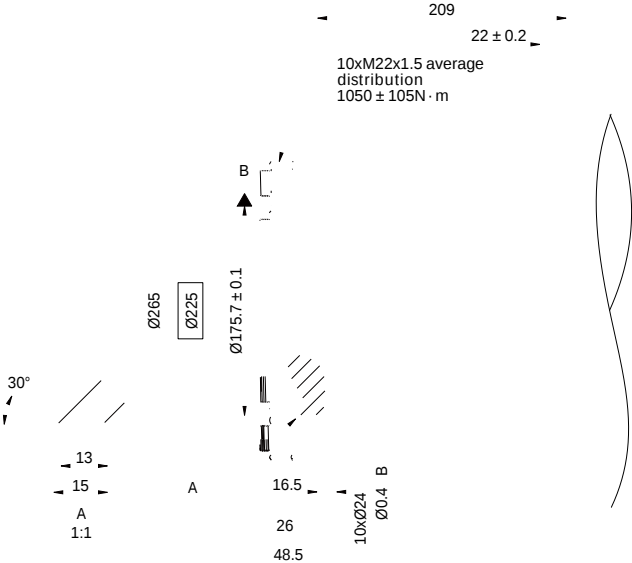
Speed sensor

·Speed sensor: S6

■ OUTPUT SIGNAL

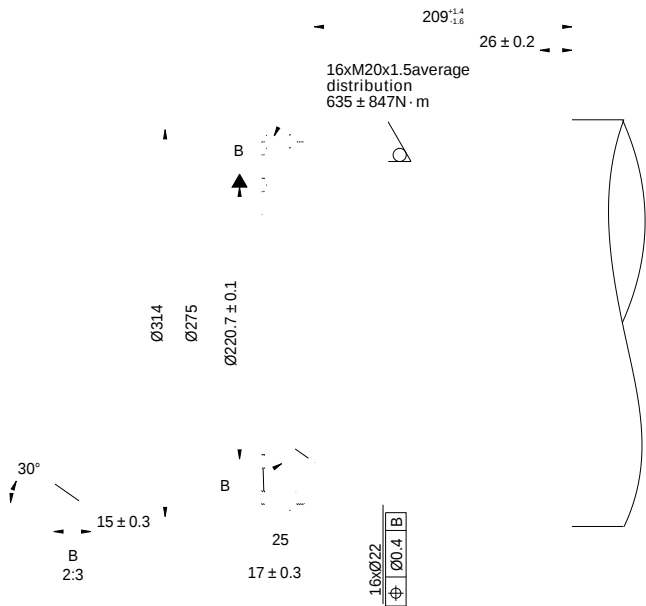
■ TERMINAL ASSIGNMENT

■ WIRING DIAGRAM



Shaft end dimensions

W6 Wheel pilot Ø220.7 × 15, through the holes 16 × Ø22(Hub bolts Ø275 distribution circle 16 × M20 × 1.5)



P - 0344

S5 28T Spline DIN5480-W90 × 3 × 28 × 7H/8f

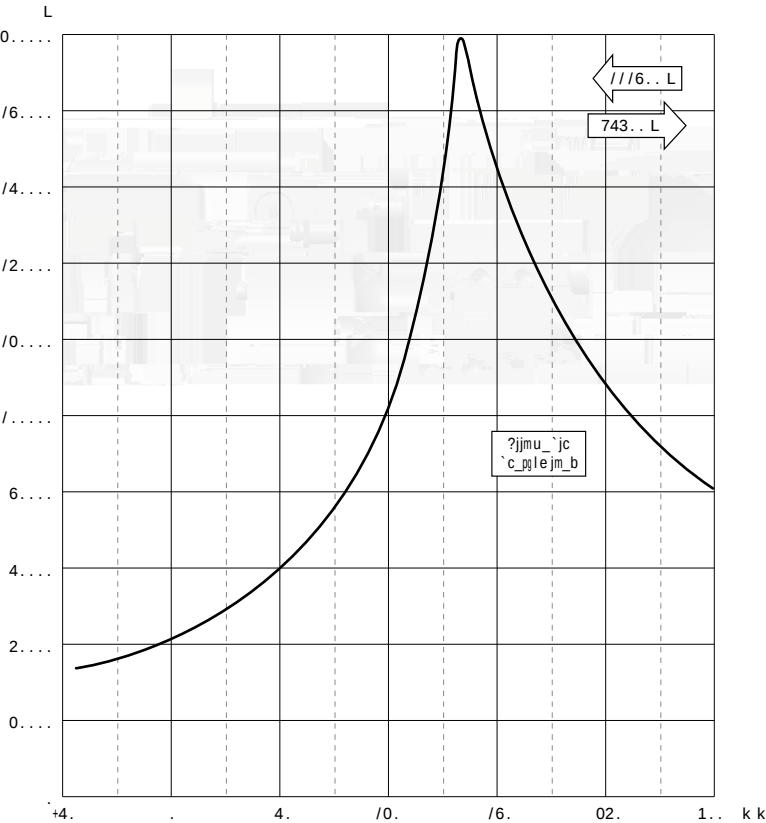
P - 0345

Shaft end dimensions

S2 Internal spline DIN5480-N65 × 3 × 20 × 8H, fat tooth root and fank f t



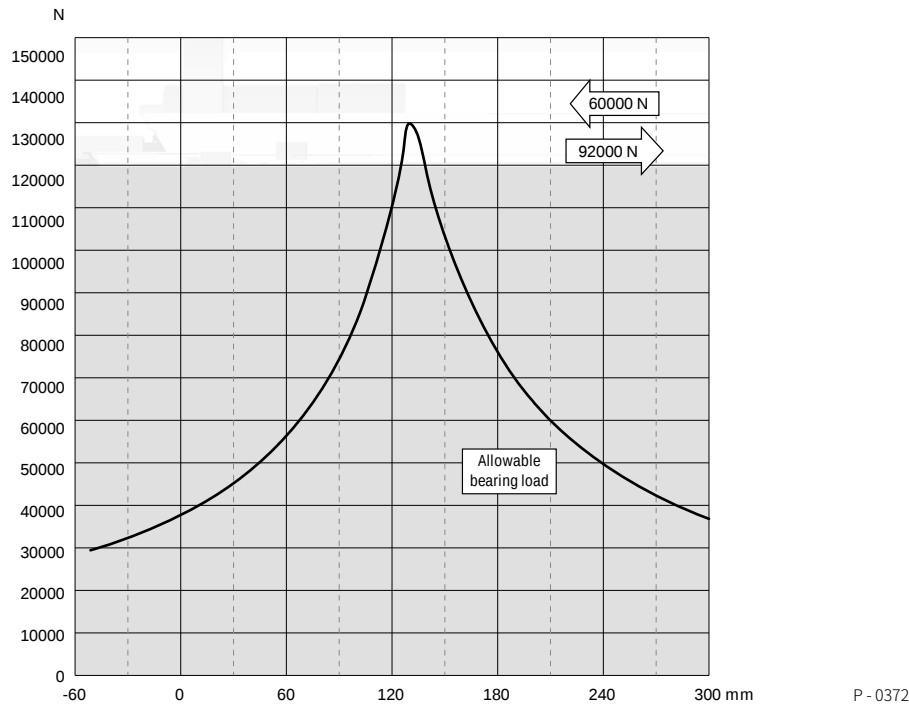
Allowable shaft load/bearing curve



P - 0127

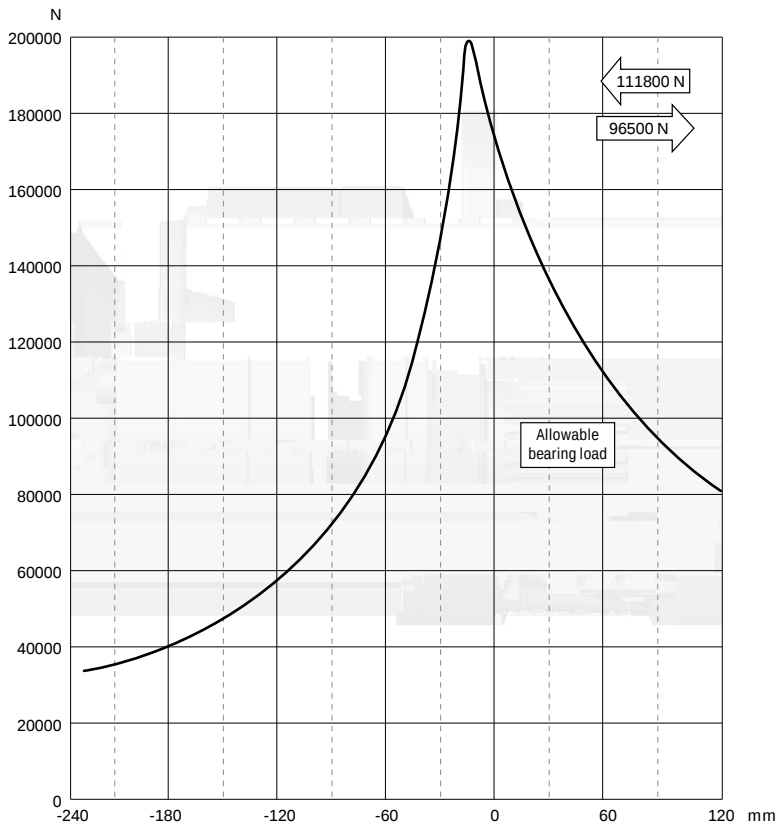
Allowable shaft load/bearing curve

· W4/W6 Wheel Output Bearing Curve



Allowable shaft load/bearing curve

· Shaft Output Bearing Curve



P - 0346

Rotation direction: CW

U f c l d _ a g l e r f c k m r m p q f _ d r c v r c l q g m l b g p c a r g m l * n m p r ? g q
f g e f n p c q q s p c m g j * r f c m s r n s r q f _ d r p m r _ r c q A U 9 M r f c p u g q c *
q r p m r _ r c q A A U ,

P - 0130

