CBN-3 Type Single Gear Pump

用途与特征/APPLICATIONS&FEATURES

CBN-3系列齿轮泵，采用了整体铝合金压铸，采用了浮动轴套的轴向压力补偿结构，具有重量轻，耐高压，性能可靠，工作寿命长的特点。

Gear pump CBN-3 series has many characters, such as light-weight, high-pressure, reliable performance, long working life and so on, because it has used the overall aluminum alloy compression casting and fluctuation axle sleeve's thrust compensation structure.

型号说明/MODEL CODE

CB | N | F / E | 3 | 10 | F | E | R

旋向 / Potation
L:左旋Left
(逆时针Conterclockwise)
R:右旋 Right
(顺时针 Clockwise omitted)

轴伸形式 / shaft end
无：矩形花键轴伸
None:rectangle spline shaft end
B:扁口轴伸 / Flat opening shaft end
E:平键圆柱轴伸Φ16/Straighe column spline Φ16
E1:平键圆柱轴伸Φ18/Straighe column spline Φ18
S:渐开线花键/Involute spline shaft end

油口形式/Joining port
L:法兰联结 Flange

公称排量/Nominal displacement(mL/r)
06、08、10、12、14、16、20、25

齿轮模数：m=3
Geer modulus:m=3

压力等级/ Pressurt grade
E:16MPa F:20MPa

结构代号/Structure code

产品代号/ Rroduct code

注：订货有特殊要求者，请与销售顾问联系。
Notes: Special features not listed can often be made to your specifications. Please consult your sales representative.

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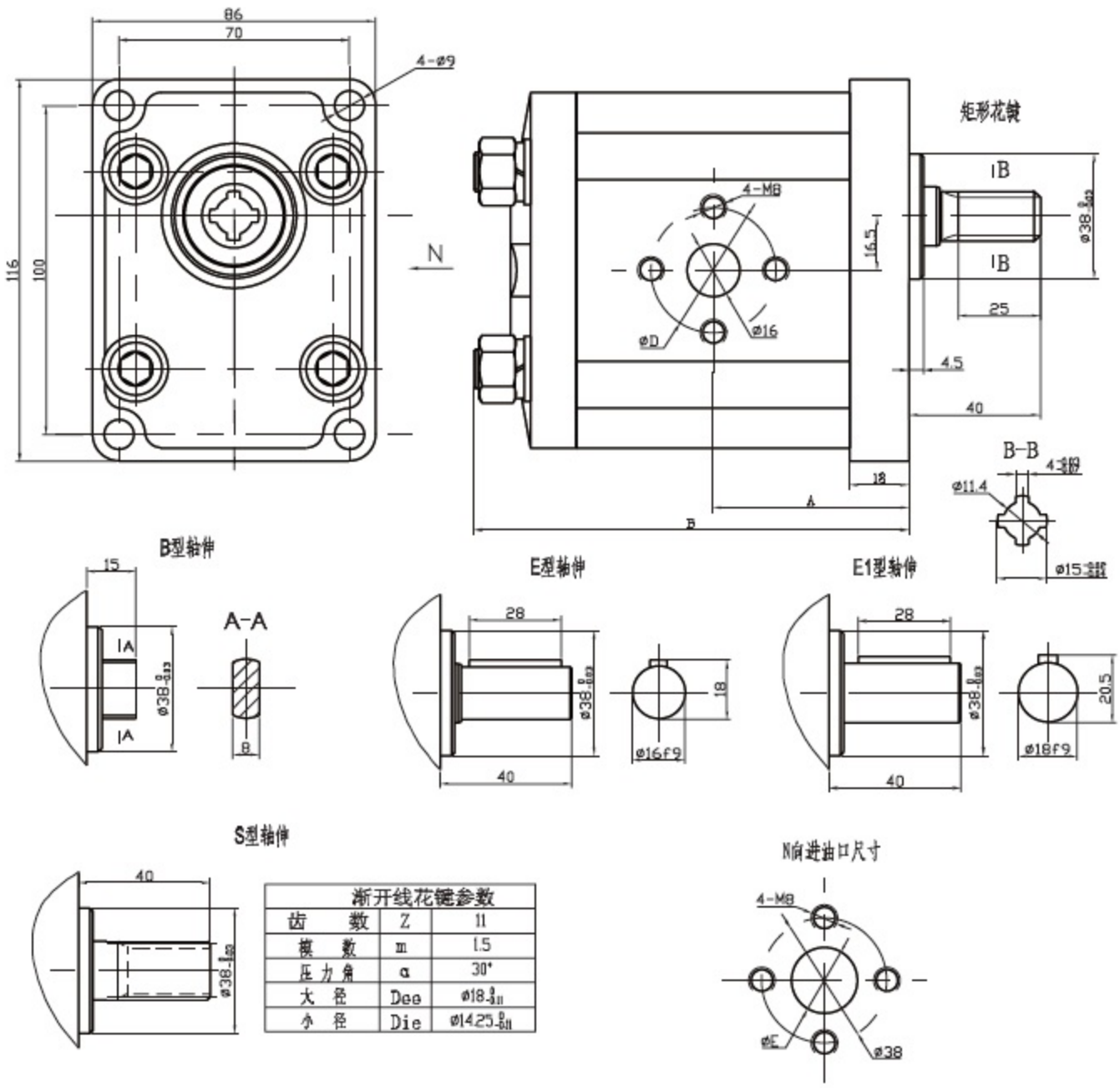
性能参数/SPECIFICATIONS

型号 Model	理论排量 Theo.disp (mL/r)	额定压力 Rated pressure (Mpa)		转速 Speed (r/min)		输入功率(KW) Input power
		E	F	额定 Rated	最低 Min	
CBN-E306	6	16	20	2000	1100	3.95
CBN-E308	8				900	5.27
CBN-E310	10					6.58
CBN-E312	12					7.9
CBN-E314	14					9.22
CBN-E316	16					10.53
CBN-E320	20					13.17
CBN-E325	25					16.46
工作油液 Working oil (mm^2/s)		工作油温 Working oil temp (℃)		工作油液过滤精度 Filtrating accuracy (μm)		额定工况下容积效率 Volumetric efficiency (%)
20—43 液压油 Hydraulic oil		-20—80		≤25		≥90

CBN-3 外形安装连接尺寸/MODEL CBN-3 DIMENSIONAL DATA



渐开线花键参数		
齿数	Z	11
模数	m	1.5
压力角	α	30°
大径	Dee	ø18.8
小径	Die	ø14.25

排量	尺寸			
	A	B	C	D
6	47	98	14	10
8	48	101	14	10
10	50	104	18	15
12	52	108	18	15
14	53	110	18	15
16	54	123	18	15
20	57	119	18	15
25	61	127	18	15