

NASH NDC-0060, 0100, 0150, 0251

DRY CLAW VACUUM PUMP

Claw technology is able to operate in a dry and non-contacting manner thanks primarily to incredibly tight machining tolerances. This allows the tips of the claw to operate close enough to the cylinder wall to effectively seal out air without actually coming into contact. Thus, no cylinder lubrication or sealant is required, friction is minimized, energy efficiency is maximized, and required maintenance is minimal.

The energy-efficient design of the NASH NDC offers standard features such as a flanged motor, silencing hood, fine mesh filter, vacuum non-return valve on suction side and vacuum relief valve. These features help the NDC perform as the ultimate vacuum for continuous operation in multiple industries and applications.

NDC		0060	0100	0150	0251
Nominal Capacity	acfm	42.4	70.6	106	148.8
Ultimate Vacuum	Torr	75	113	75	150
Nominal Motor Power	hp	1.5	3.0	5.0	7.5
Speed	rpm	3450			
Average Noise Level	dB(A)	80	82	82	85
Weight	lbs	136	254	309	327
Oil Capacity	qt	0.4	0.55	0.6	0.6

acfm * Relates to pump inlet conditions.

Curves, table contents (tolerance $\pm 10\%$) refer to vacuum pump at normal operating temperature.

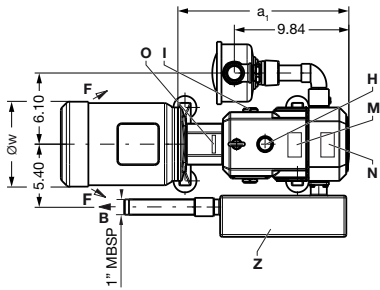
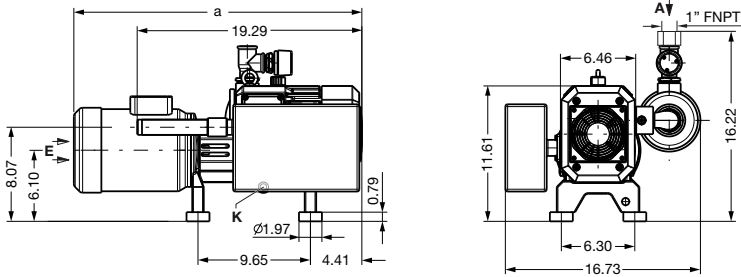
The motor dimensions as well as the full load amperage may vary because of different motor manufacturers.

Technical information is subject to change without notice.



DIMENSIONS

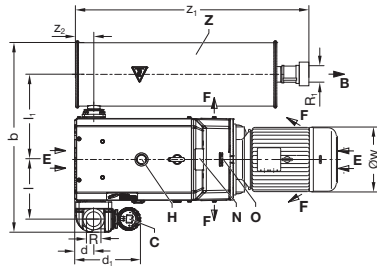
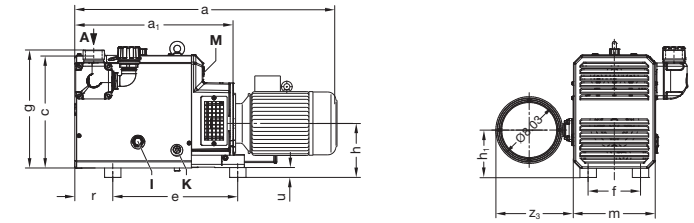
NDC-0060



a	60 Hz	24.44
a₁	60 Hz	14.45
øw	60 Hz	7.04

A	Vacuum connection
B	Exhaust
E	Cooling air entry
F	Cooling air exit
I	Oil sight glass
K	Oil drain port
M	Oil Type Plate
N	Data plate
O	Rotation arrow

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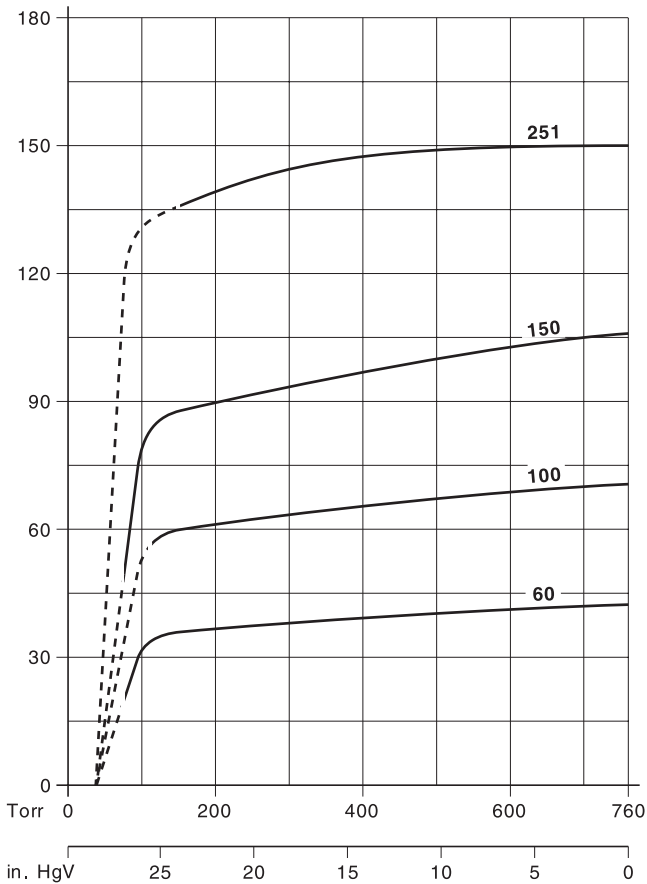


A	Vacuum connection
B	Exhaust
C	Vacuum regulating valve
E	Cooling air entry
F	Cooling air exit
I	Oil sight glass
K	Oil drain port
M	Oil Type Plate
N	Data plate
O	Rotation arrow

NDC	0100	0150	0251
a	29.71	36.05	40.14
a₁	17.29	20.62	24.63
b	23.07	22.99	25.00
c	14.17	14.76	14.76
d	3.60	2.28	2.56
e	17.32	15.04	15.04
f	8.66	6.30	6.30
g	14.53	15.31	17.09
h	5.91	6.50	6.50
h₁	4.53	5.71	5.91

NDC	0100	0150	0251
l	7.20	7.17	7.68
l₁	10.28	10.24	11.02
m	9.84	9.84	10.16
r	2.99	4.57	6.81
u	0.59	1.18	1.18
øw	7.19	8.50	10.28
z₁	28.41	28.41	35.83
z₂	2.17	2.17	6.30
z₃	9.37	9.33	10.24
R / R₁	1 1/2" NPT	1 1/2" NPT	2" NPT

PERFORMANCE CURVE



An Ingersoll Rand Business

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