

# D63

# 1240 lb in

# VFD series Smooth surface aluminum worm gearboxes

Riduttori a vite senza fine in alluminio

Input speed ( $n_1$ ) = 1750 min<sup>-1</sup>

Output speed $n_2$ [min <sup>-1</sup> ]	Ratio $i$	Motor power $P_{1M}$ [HP]	Output torque $M_{2M}$ [lb in]	Service factor $f.s$	Nominal power $P_{1R}$ [HP]	Nominal torque $M_{2R}$ [lb in]	Available NEMA motor flanges		Dynamic efficiency $RD$	Tooth module $[mm]$	Ratio code
							-W 56C	-X 143-5TC			
250.0	7	2	419	2.5	5.10	1053	B		83	3.1	01
175.0	10	2	583	1.9	3.93	1133	B		81	3.1	02
116.7	15	2	854	1.4	2.75	1159	B		79	3.1	03
92.1	19	2	1068	1.1	2.20	1159	B		78	2.6	04
72.9	24	1.5	972	1.2	1.87	1195	B		75	2.0	05
58.3	30	1.5	1199	1.0	1.56	1230	B		74	3.2	06
48.6	36	1	882	1.4	1.42	1239	B		68	2.7	07
43.8	40	1	951	1.2	1.25	1177	B		66	2.5	13
38.9	45	1	1070	1.1	1.08	1142	B		66	2.1	08
29.2	60	0.75	1005	1.1	0.83	1097	B		62	1.6	12
26.1	67	0.5	724	1.4	0.73	1044	B		60	1.5	09
21.9	80	0.5	821	1.2	0.62	1000	B		57	1.3	10
18.6	94	0.5	880	1.1	0.58	1000	B		52	1.1	11

- Motor flanges available**  
Flange motore disponibili
- B) Supplied with reduction bushing**  
Fornito con bussola di riduzione
- B) Available on request without reduction bushing**  
Disponibile a richiesta senza bussola di riduzione
- C) Motor flange holes position**  
Posizione fori flangia motore

## Lubrication

Lubrificazione

Unit D63 is supplied with synthetic oil to assure long life lubrication. Food grade oil is available on request. See Table 1 for lubrication and recommended quantity. See Table 2 for possible radial and axial loads on the gearbox.

Il riduttore tipo D63 viene fornito con olio sintetico e lubrificazione tipo "long life". Disponibile a richiesta olio alimentare. Vedi Tabella 1 per oli e quantità consigliati. Vedi Tabella 2 per i carichi radiali e assiali applicabili al riduttore.

Oil quantity for all positions: 14.08 oz. Quantità olio per tutte le posizioni: 14.08 oz.	Shell Omala S4 WE 320	Eni Telium VSF 320
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Tab. 1

## Suggested

Suggerito

Stainless steel protection cap (on request).

Coperchio di protezione in acciaio inox a richiesta.

Kit cod. KN630209



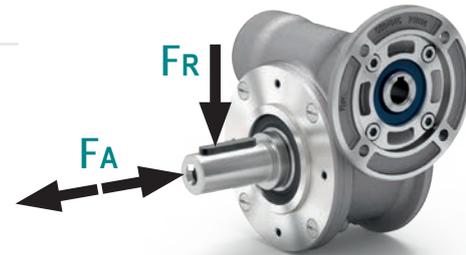
## Radial and axial loads

Carichi radiali e assiali

### Output shaft

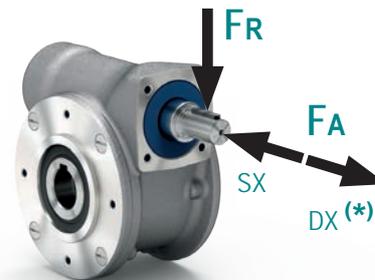
Albero di uscita

$n_2$ [min <sup>-1</sup> ]	$F_A$ [lb]	$F_R$ [lb]
200	81	404.5
150	90	450
100	103.5	517
75	112.5	562
50	135	674.5
25	157	854
15	180	899



### Input shaft

Albero in entrata



$n_1$ [min <sup>-1</sup> ]	$F_A$ [lb]	$F_R$ [lb]
1750	20	101

\* Strong axial loads in the DX direction are not allowed.

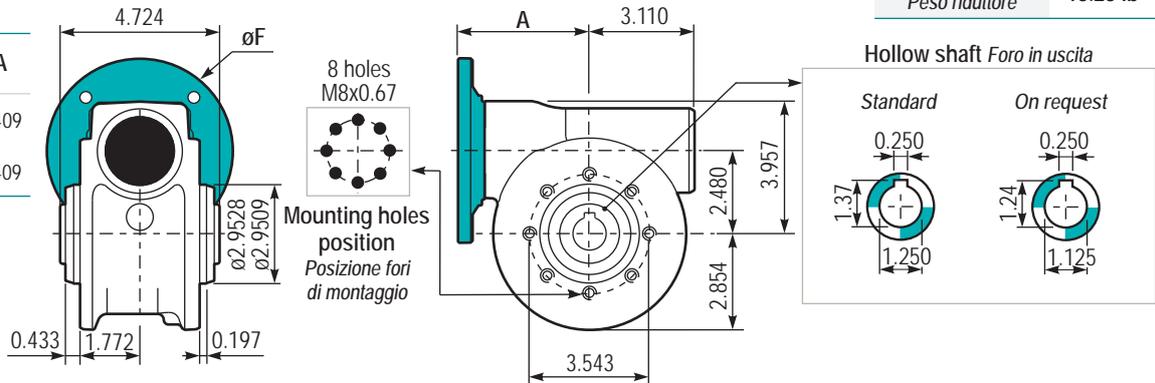
\* Non sono consentiti forti carichi assiali con direzione DX

Tab. 2

PD63UNI... Basic gearbox  
Riduttore base

Gearbox weight  
Peso riduttore 13.23 lb

M. flanges	Kit code	øF	A
56C	KUD634041	6.50	4.409
143/5 TC	KUD634041	6.50	4.409



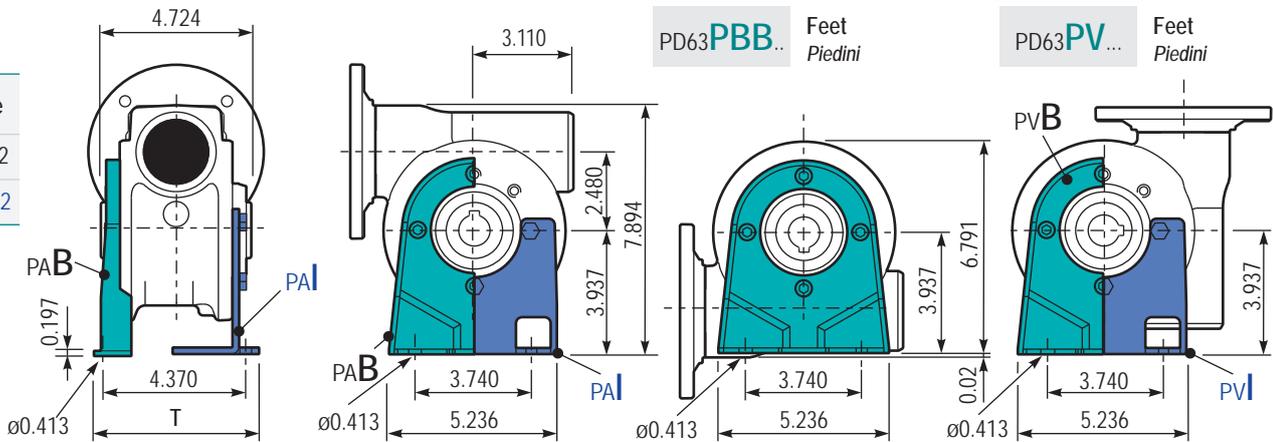
PD63PA... Feet  
Piedini

PD63PBB... Feet  
Piedini

PD63PV... Feet  
Piedini

Type	T	Kit code
B**	5.669	K0639022
I*	5.118	KN639022

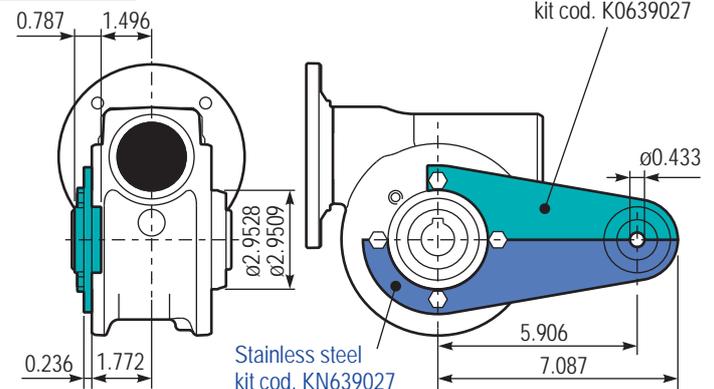
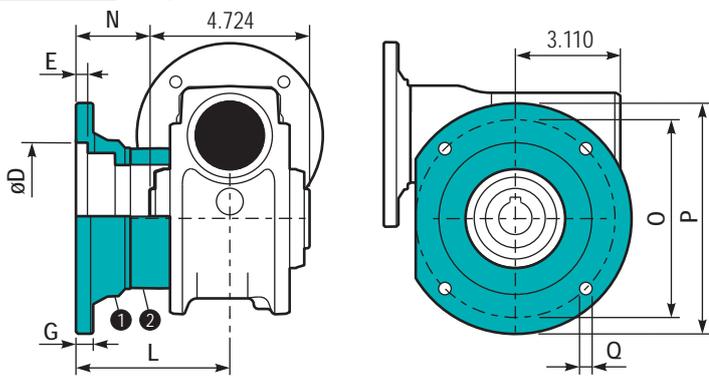
\*\* Zink plated  
\* Stainless steel



PD63FL... Output flange  
Flangia uscita

PD63BR... Reaction arm  
Braccio di reazione

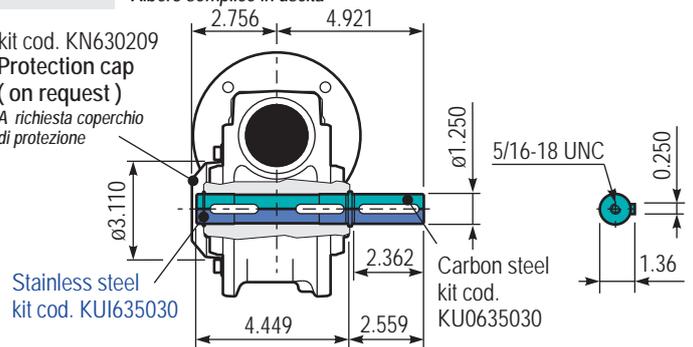
Zink plated  
kit cod. K0639027



Type	øD	E	G	L	N	O	P	Q	Kit code
C	4.5354 4.5335	0.28	0.51	3.386	1.024	5.906	6.890	0.43	① K0639010 ②
L	4.5354 4.5335	0.28	0.51	4.567	2.205	5.906	6.890	0.43	① K0639010 ② K0630200

PD63SIE Single output shaft  
Albero semplice in uscita

kit cod. KN630209  
Protection cap  
(on request)  
A richiesta coperchio  
di protezione



RD63UNI... Input shaft  
Albero in entrata

