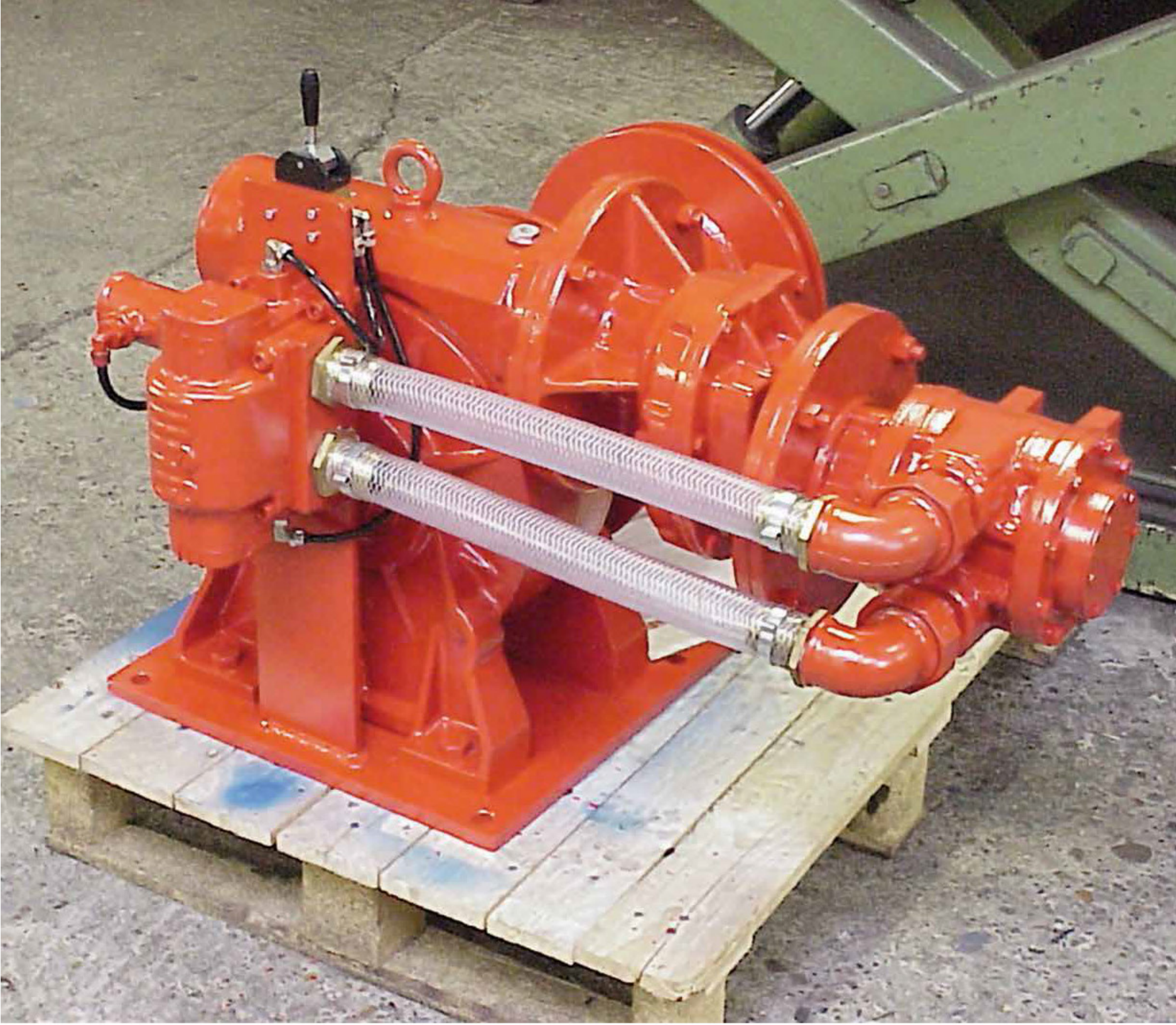




GLOBE GEARED VANE AIR MOTORS

The GLOBE geared vane air motors are available with a standard range of worm and coaxial gearboxes. They generate high torques and low speeds of rotation required in many applications. Power ranges up to 8,3 kW at 6 bar air pressure.

The motor and gearbox are directly mounted onto each other, making them compact and excellent resistant against outside influences. GLOBE geared vane air motors are designed for smooth operation and are commonly used in mixing equipment, conveyor belts, hoists and winches, hose reels and turntables.

GLOBE geared vane air motors have many advantages including:

- Power up to 8,3 kW at 6 bar air pressure
- High nominal torques up to 1650 Nm
- Speed of rotation as low as 7 rpm
- Easily variable and controllable speed and torque
- Perfect for applications in hazardous and aggressive environments
- ATEX certification ATEX II cat. 2 G&D T5 on request
- No damage by overload or repeated starting
- Can be used in stall conditions
- Superior power to weight ratio
- Instantly reversible
- Minimum maintenance
- High radial and axial loads permitted

Please contact GLOBE for special requests. We are known for our custom solutions.



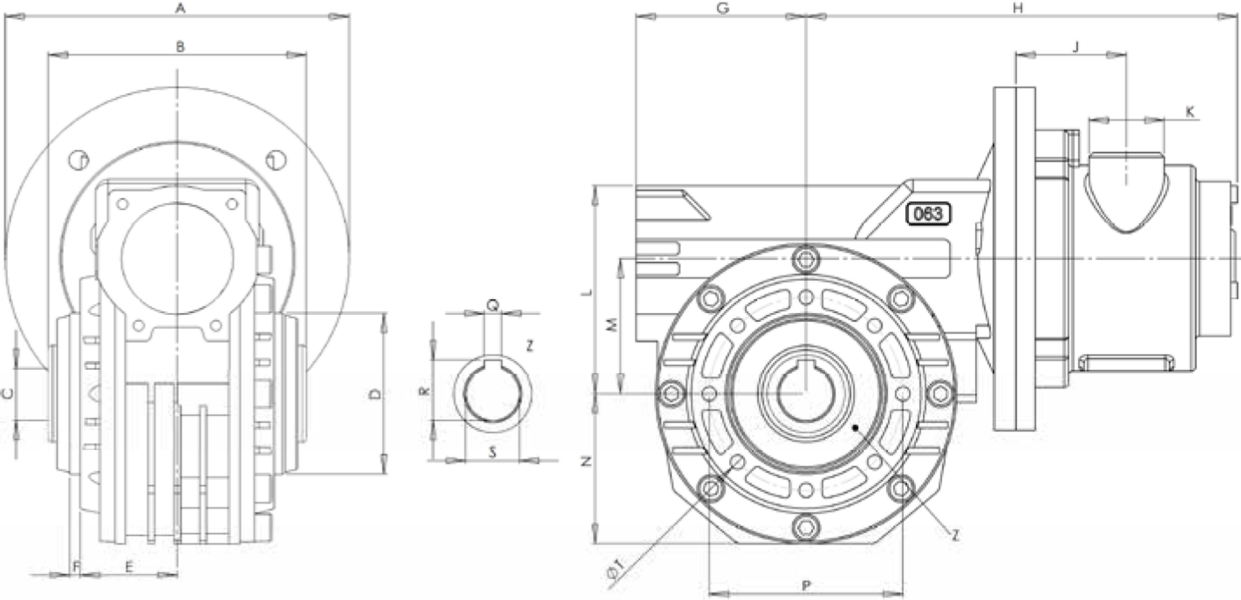
PERFORMANCES GLOBE VANE AIR MOTORS WITH WORM GEARS

Ordering code flange model	Ordering code foot model	I	Power* (KW)	Max. rpm**	Nominal torque* (Nm)	Min. starting torque (Nm)	Weight flange model (Kg)	Weight foot model (Kg)
GLOBE V4 + worm gear								
VS4DW63FG7	VS4DW63BG7	7	1,3	430	30	20	11	12
VS4DW63FG15	VS4DW63BG15	15	1,3	200	61	35	11	12
VS4DW63FG30	VS4DW63BG30	30	1,2	100	110	53	11	12
VS4DW63FG45	VS4DW63BG45	45	1,1	65	155	67	11	12
VS4DW85FG67	VS4DW85BG67	67	1	45	210	80	17	19
VS4DW85FG74	VS4DW85BG74	74	0,9	40	220	83	17	19
GLOBE V6 + worm gear								
VS6DW63FG7	VS6DW63BG7	7	2,7	430	60	40	17	18
VS6DW63FG15	VS6DW63BG15	15	2,6	200	120	70	17	18
VS6DW85FG28	VS6DW85BG28	28	2,5	105	220	110	23	25
VS6DW85FG46	VS6DW85BG46	46	2,3	65	330	160	23	25
VS6DW110FG64	VS6DW110BG64	64	2,3	47	460	195	39	44
VS6DW110FG84	VS6DW110BG84	84	2,2	35	575	220	39	44
GLOBE V8 + worm gear								
VS8DW85FG7	VS8DW85BG7	7	4	430	90	75	24	26
VS8DW85FG14	VS8DW85BG14	14	3,9	215	175	125	24	26
VS8DW110FG30	VS8DW110BG30	30	3,7	100	350	200	40	45
VS8DW110FG45	VS8DW110BG45	45	3,6	65	515	295	40	45
VS8DW110FG64	VS8DW110BG64	64	3,3	47	690	365	40	45
GLOBE V10 + worm gear								
VS10DW85FG7	VS10DW85BG7	7	7,2	340	210	150	39	41
VS10DW110FG16	VS10DW110BG16	16	7	150	460	290	55	60
VS10DW110FG23	VS10DW110BG23	23	6,9	105	650	405	55	60

* Power and nominal torque at 6 bar and motor input speed of 3000 rpm (V4, V6, V8) and 2400 rpm (V10).

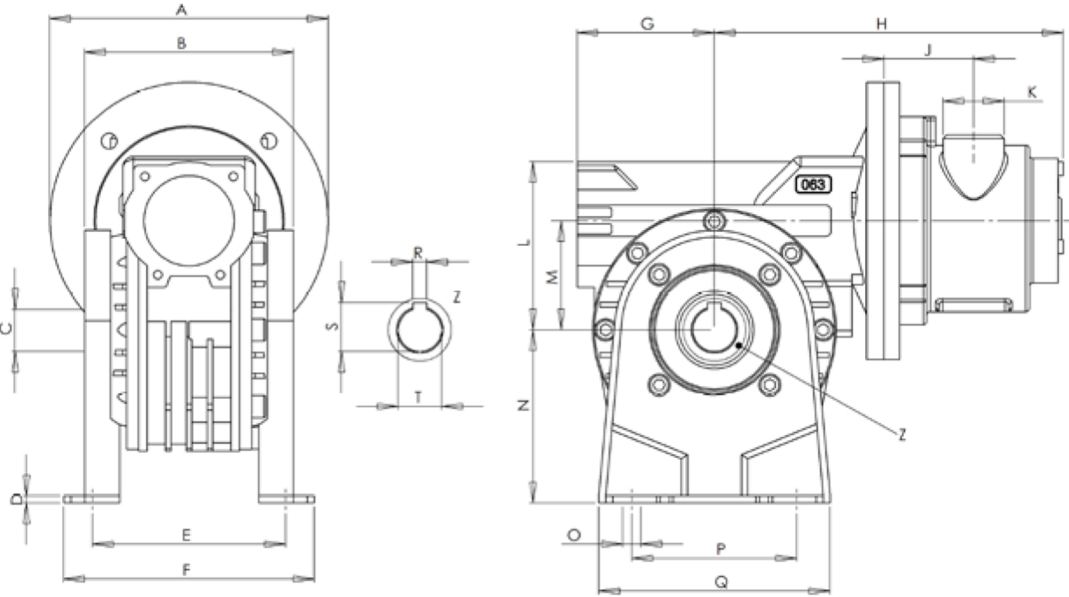
** In applications where the motor input speed exceeds 2200 rpm, only intermittent use is tolerated.

DIMENSIONS GLOBE VANE AIR MOTORS WITH WORM GEARS - FLANGE MODEL



Ordering code	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T
VS4DW63FG7	160	120	25H8	75h8	45	5	79	203	55	G1/2"	100	63	70	90	8	28,3	25H8	8 x M8x17
VS4DW63FG15	160	120	25H8	75h8	45	5	79	203	55	G1/2"	100	63	70	90	8	28,3	25H8	8 x M8x17
VS4DW63FG30	160	120	25H8	75h8	45	5	79	203	55	G1/2"	100	63	70	90	8	28,3	25H8	8 x M8x17
VS4DW63FG45	160	120	25H8	75h8	45	5	79	203	55	G1/2"	100	63	70	90	8	28,3	25H8	8 x M8x17
VS4DW85FG67	160	135	35H8	110h8	64	3,5	98	227	55	G1/2"	138	85	94,5	130	10	38,3	35H8	4 x M10x18
VS4DW85FG74	160	135	35H8	110h8	64	3,5	98	227	55	G1/2"	138	85	94,5	130	10	38,3	35H8	4 x M10x18
VS6DW63FG7	200	120	25H8	75h8	45	5	79	252	78	G3/4"	100	63	70	90	8	28,3	25H8	8 x M8x17
VS6DW63FG15	200	120	25H8	75h8	45	5	79	252	78	G3/4"	100	63	70	90	8	28,3	25H8	8 x M8x17
VS6DW85FG28	200	135	35H8	110h8	64	3,5	98	276	78	G3/4"	138	85	94,5	130	10	38,3	35H8	4 x M10x18
VS6DW85FG46	200	135	35H8	110h8	64	3,5	98	276	78	G3/4"	138	85	94,5	130	10	38,3	35H8	4 x M10x18
VS6DW110FG64	200	155	42H8	130h8	74	3,5	118	296	78	G3/4"	163	110	116	165	12	45,3	42H8	8 x M12x30
VS6DW110FG84	200	155	42H8	130h8	74	3,5	118	296	78	G3/4"	163	110	116	165	12	45,3	42H8	8 x M12x30
VS8DW85FG7	200	135	35H8	110h8	64	3,5	98	279	84	G1"	138	85	94,5	130	10	38,3	35H8	4 x M10x18
VS8DW85FG14	200	135	35H8	110h8	64	3,5	98	279	84	G1"	138	85	94,5	130	10	38,3	35H8	4 x M10x18
VS8DW110FG30	200	155	42H8	130h8	74	3,5	118	299	84	G1"	163	110	116	165	12	45,3	42H8	8 x M12x30
VS8DW110FG45	200	155	42H8	130h8	74	3,5	118	299	84	G1"	163	110	116	165	12	45,3	42H8	8 x M12x30
VS8DW110FG64	200	155	42H8	130h8	74	3,5	118	299	84	G1"	163	110	116	165	12	45,3	42H8	8 x M12x30
VS10DW85FG7	250	135	35H8	110h8	64	3,5	98	349	126	G1¼"	138	85	94,5	130	10	38,3	35H8	4 x M10x18
VS10DW110FG16	250	155	42H8	130h8	74	3,5	118	369	126	G1¼"	163	110	116	165	12	45,3	42H8	8 x M12x30
VS10DW110FG23	250	155	42H8	130h8	74	3,5	118	369	126	G1¼"	163	110	116	165	12	45,3	42H8	8 x M12x30

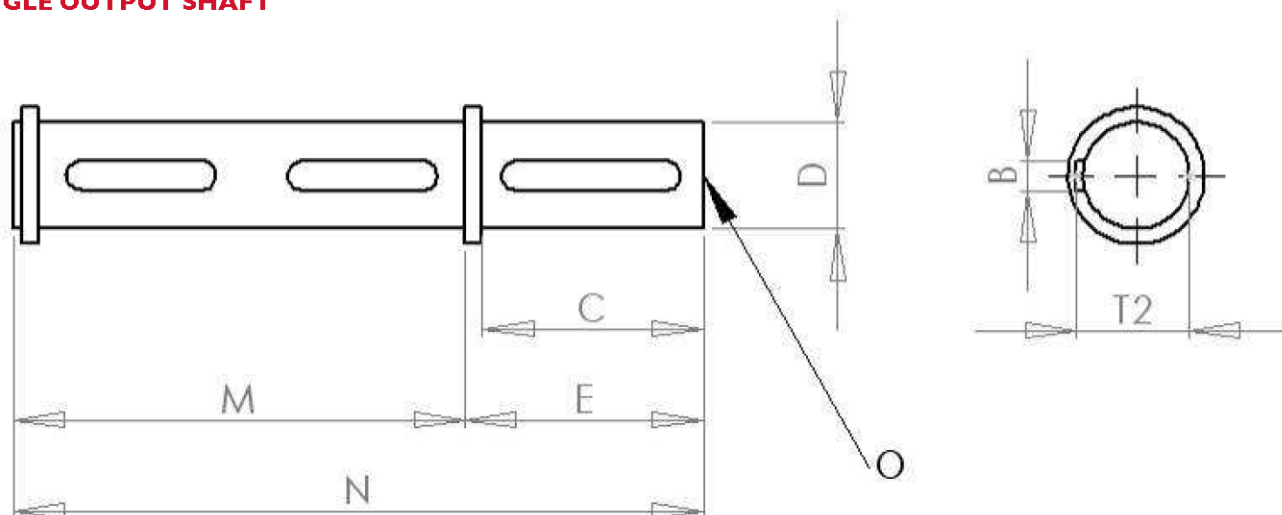
DIMENSIONS GLOBE VANE AIR MOTORS WITH WORM GEARS - FOOT MODEL



Ordering Code	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T
VS4DW63BG7	160	120	25H8	4	110	144	79	203	55	G1/2"	100	63	100	10,5	95	133	8	28,3	25H8
VS4DW63BG15	160	120	25H8	4	110	144	79	203	55	G1/2"	100	63	100	10,5	95	133	8	28,3	25H8
VS4DW63BG30	160	120	25H8	4	110	144	79	203	55	G1/2"	100	63	100	10,5	95	133	8	28,3	25H8
VS4DW63BG45	160	120	25H8	4	110	144	79	203	55	G1/2"	100	63	100	10,5	95	133	8	28,3	25H8
VS4DW85BG67	160	135	35H8	5	145	182	98	227	55	G1/2"	138	85	142	10,5	140	180	10	38,3	35H8
VS4DW85BG74	160	135	35H8	5	145	182	98	227	55	G1/2"	138	85	142	10,5	140	180	10	38,3	35H8
VS6DW63BG7	200	120	25H8	4	110	144	79	252	78	G3/4"	100	63	100	10,5	95	133	8	28,3	25H8
VS6DW63BG15	200	120	25H8	4	110	144	79	252	78	G3/4"	100	63	100	10,5	95	133	8	28,3	25H8
VS6DW85BG28	200	135	35H8	5	145	182	98	276	78	G3/4"	138	85	142	10,5	140	180	10	38,3	35H8
VS6DW85BG46	200	135	35H8	5	145	182	98	276	78	G3/4"	138	85	142	10,5	140	180	10	38,3	35H8
VS6DW110BG64	200	155	42H8	22	180	224	118	296	78	G3/4"	163	110	170	13	200	240	12	45,3	42H8
VS6DW110BG84	200	155	42H8	22	180	224	118	296	78	G3/4"	163	110	170	13	200	240	12	45,3	42H8
VS8DW85BG7	200	135	35H8	5	145	182	98	279	84	G1"	138	85	142	10,5	140	180	10	38,3	35H8
VS8DW85BG14	200	135	35H8	5	145	182	98	279	84	G1"	138	85	142	10,5	140	180	10	38,3	35H8
VS8DW110BG30	200	155	42H8	22	180	224	118	299	84	G1"	163	110	170	13	200	240	12	45,3	42H8
VS8DW110BG45	200	155	42H8	22	180	224	118	299	84	G1"	163	110	170	13	200	240	12	45,3	42H8
VS8DW110BG64	200	155	42H8	22	180	224	118	299	84	G1"	163	110	170	13	200	240	12	45,3	42H8
VS10DW85BG7	250	135	35H8	5	145	182	98	349	126	G1¼"	138	85	142	10,5	140	180	10	38,3	35H8
VS10DW110BG16	250	155	42H8	22	180	224	118	369	126	G1¼"	163	110	170	13	200	240	12	45,3	42H8
VS10DW110BG23	250	155	42H8	22	180	224	118	369	126	G1¼"	163	110	170	13	200	240	12	45,3	42H8

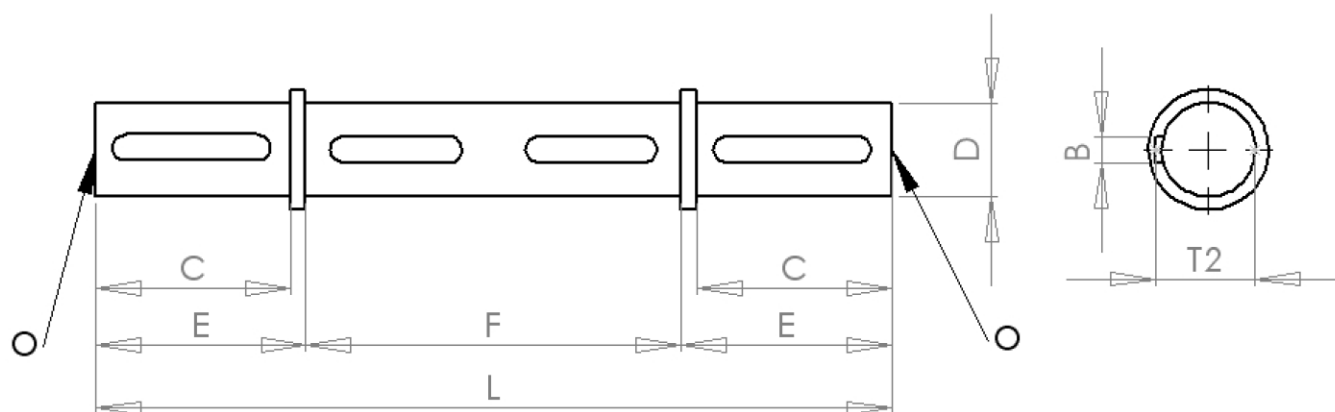
DIMENSIONS OUTPUT SHAFT FOR WORM GEARS (OPTIONAL)

SINGLE OUTPUT SHAFT



Size gearbox	B	C	D	E	M	N	O	T2
O63	8	60	25	63	127	190	M8x20	28,3
O85	10	60	35	73,5	140	214	M10x23	38,3
110	12	75	42	96,5	163,5	260	M12x32	45,3

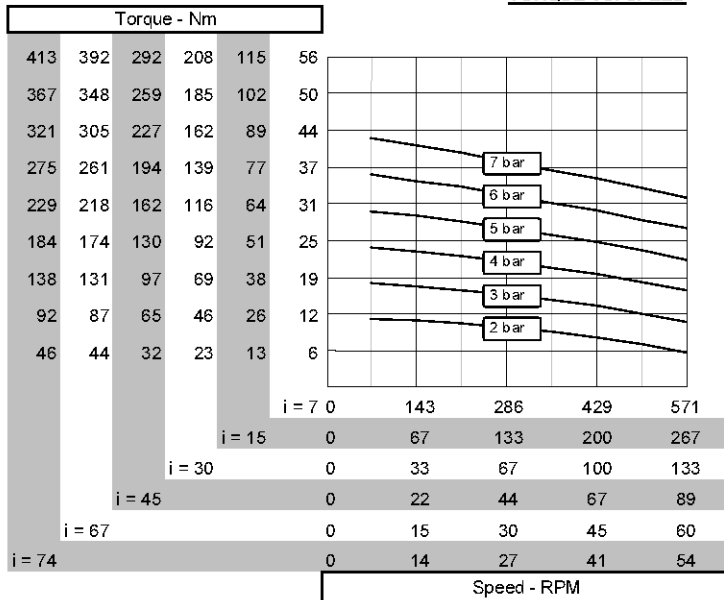
DOUBLE OUTPUT SHAFT



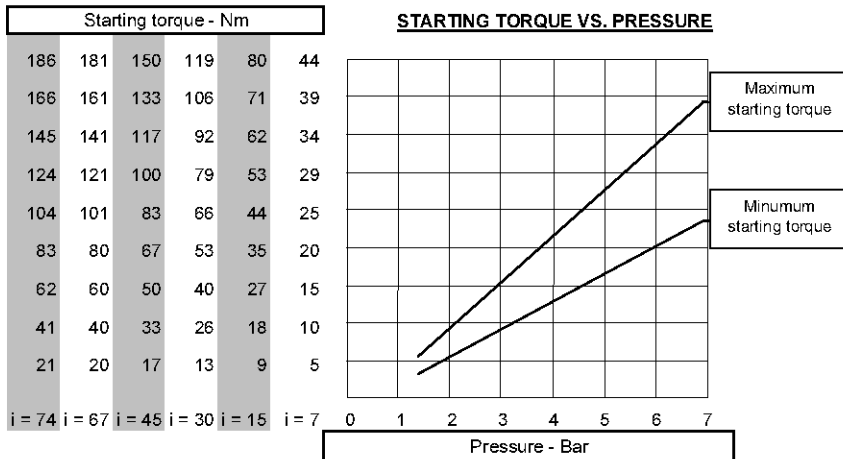
Size gear-box	B	C	D	E	F	L	O	T2
O63	8	60	25	63	120	246,4	M8x20	28,3
O85	10	60	35	73,5	135	282	M10x23	38,3
110	12	75	42	96,5	155	348	M12x32	45,3

PERFORMANCES GLOBE VS4C AIR MOTOR WITH WORM GEAR

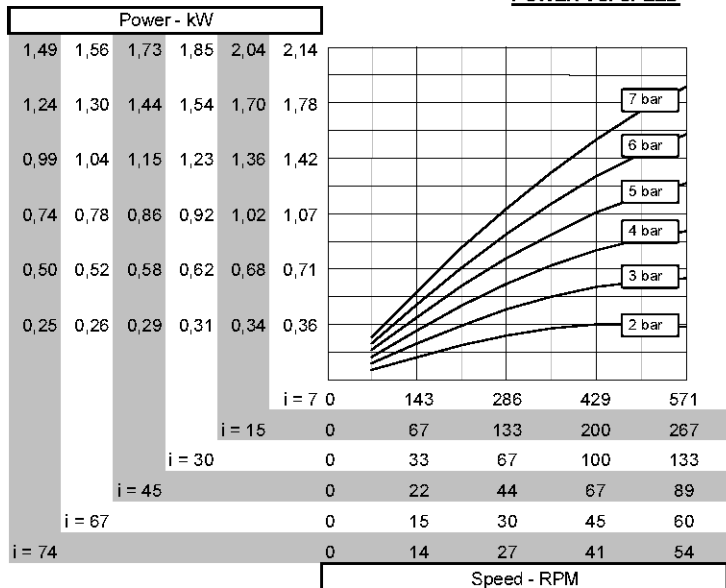
TORQUE VS. SPEED



STARTING TORQUE VS. PRESSURE

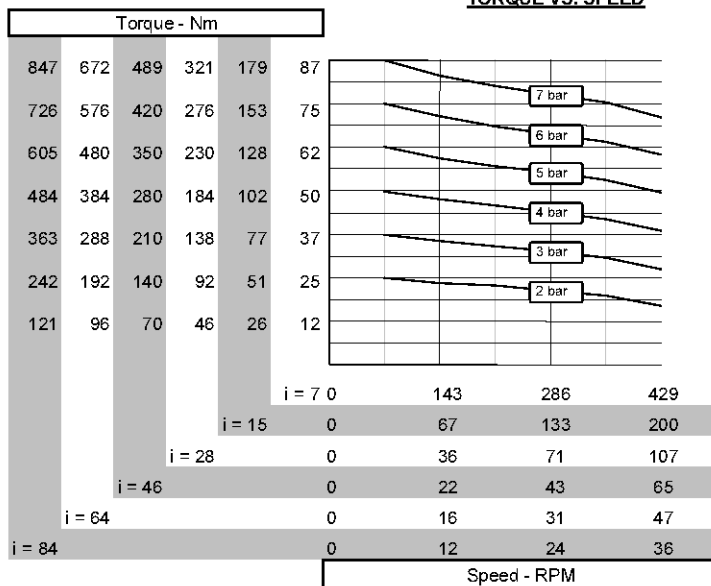


POWER VS. SPEED

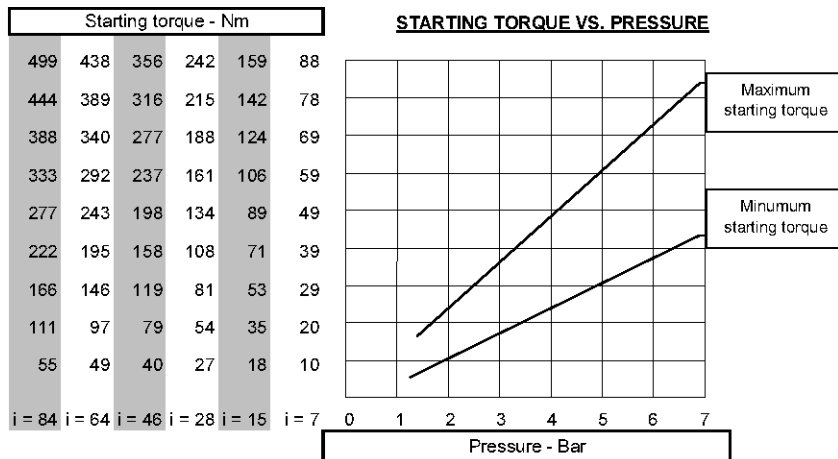


PERFORMANCES GLOBE VS6C AIR MOTOR WITH WORM GEAR

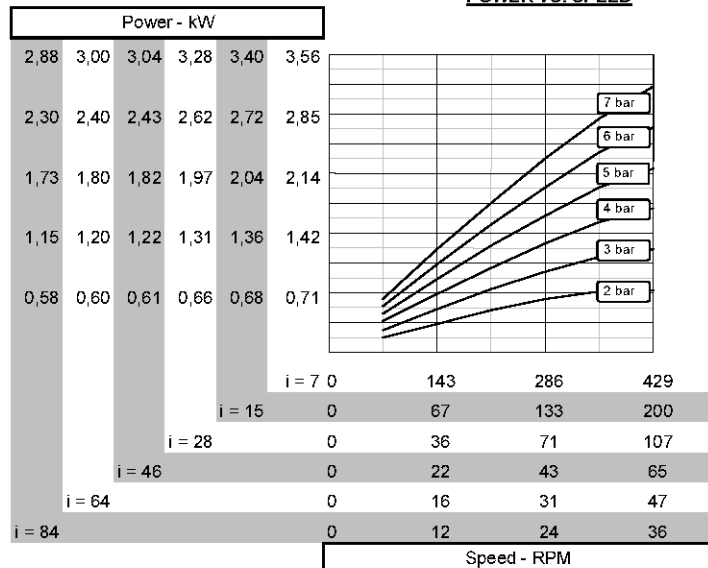
TORQUE VS. SPEED



STARTING TORQUE VS. PRESSURE

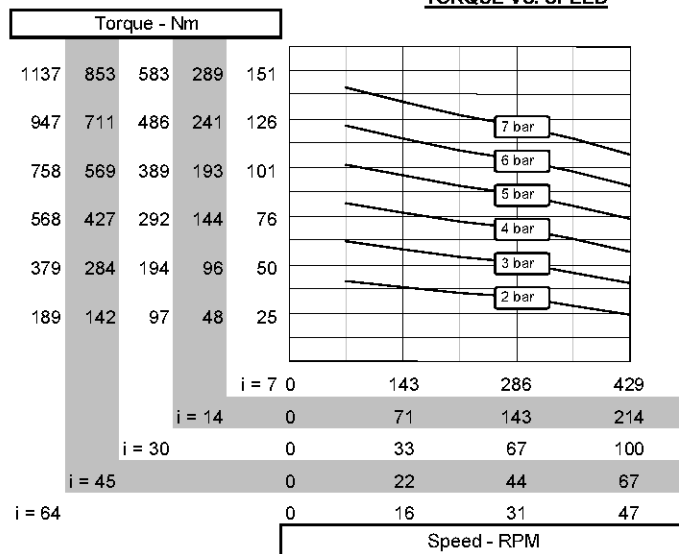


POWER VS. SPEED

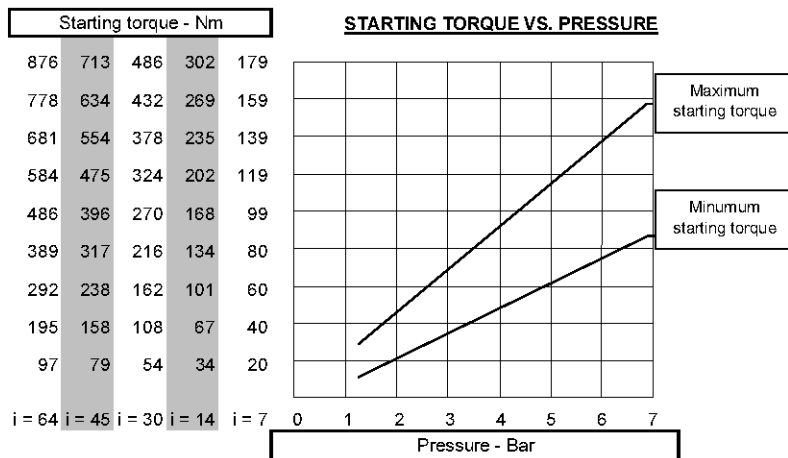


PERFORMANCES GLOBE VS8C AIR MOTOR WITH WORM GEAR

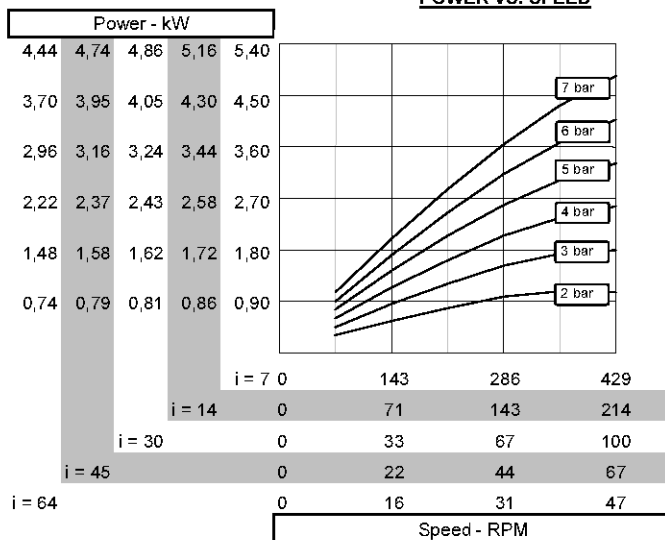
TORQUE VS. SPEED



STARTING TORQUE VS. PRESSURE

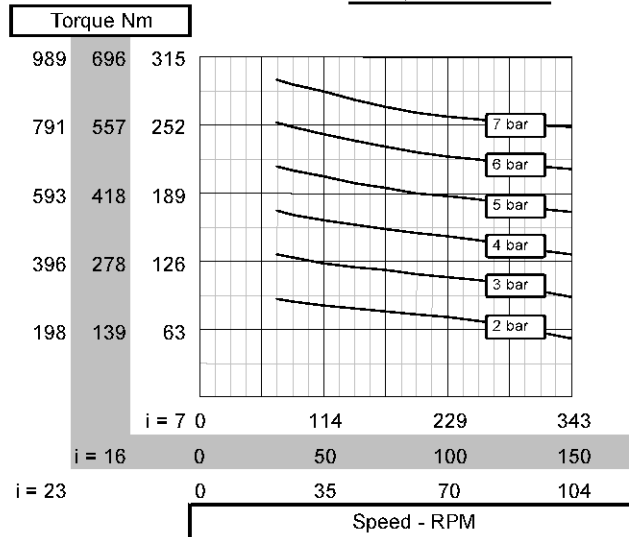


POWER VS. SPEED

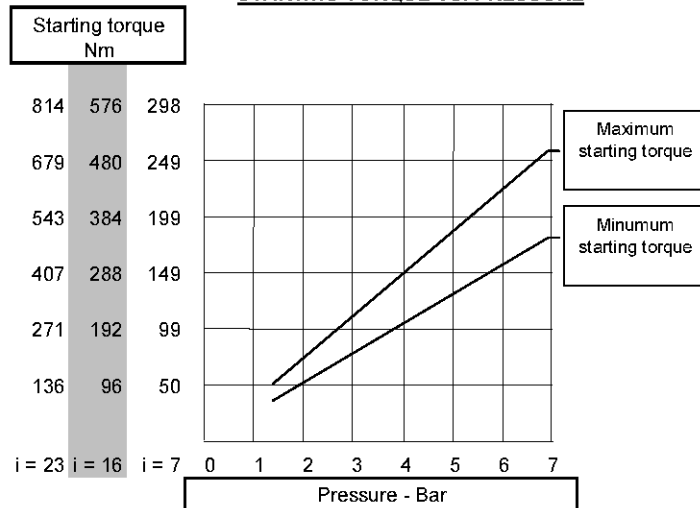


PERFORMANCES GLOBE VS10C AIR MOTOR WITH WORM GEAR

TORQUE VS. SPEED



STARTING TORQUE VS. PRESSURE



POWER VS. SPEED

