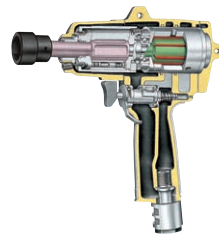


ALPHA SERIES OIL-PULSE TOOLS



ALPHA SERIES (STANDARD TYPE)



ALPHA's 9-blade "Double-Chamber" motor creates super productivity on any joint rate. It provides efficiently slow free speed, compared with the same sized "Single-Chamber" motor. Bolt seating is performed very smoothly, and the torque spike caused by the spinning of the anvil is eliminated to the minimum level on the hard joint. Prevailing torque type joint is also overcome with the optimum cycle time by the effective motor power.

SPECIFICATIONS

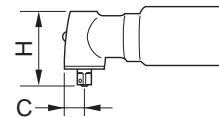
Recommended Air Pressure: 0.6 MPa (85 psi)

Model	Capacity (Nominal Bolt Size)		Torque Range				Free Speed (Approx.) rpm		Overall Length Less Socket or Bit (Approx.)		Weight less Socket or Bit (Approx.)		From Center to Outside (Approx.)		Sq. Drive or Hex. Size		Average Air Consumption	
			0.5MPa		0.6MPa													
	mm	in	Nm	ft-lbs	Nm	ft-lbs	0.5MPa	0.6MPa	mm	in	kg	lb	mm	in	mm	in	m ³ /min	ft ³ /min
ALPHA-140	16	5/8	135-210	99.0-154.7	150-230	109.9-169.2	2900	3100	226	8 57/64	3.35	7.4	40.0	1 37/64	19.0	3/4	0.70	24.7
ALPHA-160	18	3/4	140-220	103.4-162.3	160-270	117.9-198.5	3500	3700	245	9 41/64	3.80	8.4	40.0	1 37/64	19.0	3/4	0.90	31.8
ALPHA-180	18-20	3/4	250-320	183.8-235.3	270-350	198.5-257.4	3300	3500	250	9 27/64	4.70	10.3	42.0	1 21/32	19.0	3/4	0.95	33.6

Air Inlet Thread : NPT1/4" for ALPHA-130 & ALPHA-140 NPT3/8 for ALPHA-160 & ALPHA-180 Air Hose Size : 12.7mm (1/2") for ALPHA-180 9.5mm (3/8") for other models



Head Sizes



MODEL	C		H	
	mm	in	mm	in
ALPHA-70C	18.0	45/64	69.0	2 23/32
ALPHA-70CH	22.0	55/64	76.5	3 1/64

SPECIFICATIONS

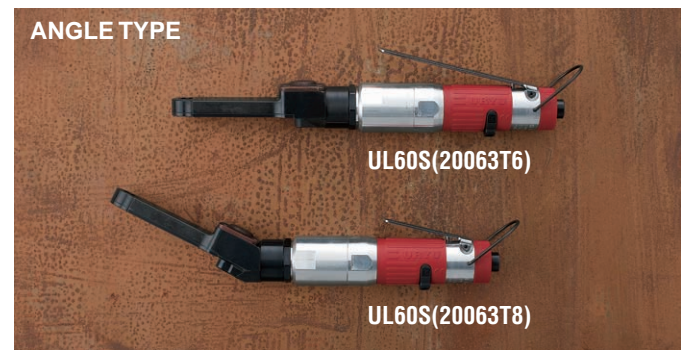
Recommended Air Pressure: 0.5MPa(72psi)-0.6MPa(85psi)

Model	Capacity (Nominal Bolt Size)		Torque Range				Free Speed (Approx.) rpm		Overall Length (about)		Weight less Socket or Bit (about)		From Center to Outside (about)		Sq. Drive or Hex. Size		Average Air Consumption	
			0.5MPa		0.6MPa													
	mm	in	Nm	ft-lbs	Nm	ft-lbs	0.5MPa	0.6MPa	mm	in	kg	lb	mm	in	mm	in	m ³ /min	ft ³ /min
ALPHA-70C	8-10	5/16-3/8	25-40	18.0-28.9	28-45	20.2-32.5	6000	6300	266	10 15/32	1.77	3.9	69.0*	2 23/32	9.5	3/8	0.45	15.8
ALPHA-70CH	10-12	3/8-1/2	45-68	32.5-49.9	50-76	36.1-56.0	3400	3600	282	11 7/64	2.00	4.4	76.5*	3 1/64	12.7	1/2	0.45	15.8

Air Inlet Thread : NPT1/4" * Angle Height Air Hose Size : 9.5mm (3/8") for ALPHA-70C & ALPHA-70CH

GEARED HEAD SERIES OIL-PULSE TOOLS

These models are specially designed for user's request giving priority to productivity or workability rather than durability.



SPECIFICATIONS

Recommended Air Pressure: 0.5MPa(72psi)-0.6MPa(85psi)

Model	Capacity (Nominal Bolt Size)		Torque Range				Free Speed (Approx.) rpm		Overall Length (about)		Weight less Socket or Bit (about)		From Center to Outside (about)		Hex. Size of Gear Socket		Average Air Consumption	
			0.5MPa		0.6MPa													
	mm	in	Nm	ft-lbs	Nm	ft-lbs	0.5MPa	0.6MPa	mm	in	kg	lb	mm	in	mm	in	m ³ /min	ft ³ /min
UL60(20042T8)	8	5/16	20-28	14.8-20.7	22-30	16.2-22.2	2850	3000	300	11 13/16	1.60	3.5	16.0	5/8	12.0	0.40	14.0	
UL60(20042T7)	8	5/16	20-28	14.8-20.7	22-30	16.2-22.2	2850	3000	296	11 21/32	1.60	3.5	16.0	5/8	12.0	0.40	14.0	
UL60S(20063T6)	8	5/16	20-28	14.8-20.7	22-30	16.2-22.2	2850	3000	342	13 15/32	1.50	3.3	16.0	5/8	12.0	0.45	15.8	
UL60S(20063T8)	8	5/16	20-28	14.8-20.7	22-30	16.2-22.2	2850	3000	341	13 27/64	1.50	3.3	16.0	5/8	12.0	0.45	15.8	

Air Inlet Thread : NPT1/4" Air Hose Size : 9.5mm (3/8")